EN MEDICAL DIAGNOSTIC "PRO"

F DIAGNOSTIC "PRO"

ES DIAGNÓSTICO "PRO"

P DIAGNÓSTICO "PRO"

EN ADULT AND PEDIATRIC FINGER PULSE OXIMETER
F OXYMÈTRE DE POULS DOIGTIER ADULTE ET ENFANT
ES PULSIOXÍMETRO DE DEDO ADULTO Y PEDIÁTRICO
P OXÍMETRO DE DEDO ADULTO E PEDIÁTRICO

EN Simple, small, light-weight (50 gr. with batteries), easy to carry. Low battery signal. Automatic turning-off after 8 seconds without signal. Putting the finger in the sensor, the pulse oximeter will give you the oxygen saturation and the pulse rate in few seconds. 2 AAA batteries guarantee 30hrs measurements. A string to carry the device is provided. **Included**: instruction manual, batteries. Rubber protective cover (LDR136).

F Simple, petit, léger (50g avec les batteries), facile à transporter. Alarme visuelle pour basse puissance des piles. Extinction auto matique après 8 secondes sans signal. Il suffit d'insérer un doigt dans l'oxymètre pour avoir en quelques secondes les valeurs d'oxymétrie et les pulsations par minute. Alimentation 2 piles AAA pour une autonomie de 30 heures en continu. Bandoulière de portage incluse. **Livré avec**: mode d'emploi, piles. Protection en caoutchou (LDR136).

ES Simple, pequeño y ligero (50 gr. con batería), fácil para transportar. Indicador de estado de batería. Desconexión automática después de 8 segundos sin utilizar. Es suficiente poner el dedo dentro del pulsioxímetro para obtenir saturación de oxígeno y pulso por minuto. Alimentación con 2 pilas AAA por una autonomía de 30 horas. Cordón para colgar. **Incluye**: manul de instrucciones, baterías. Funda en goma (LDR136).

P Simples, pequeno, leve (50 gr. com bateria), fácil de transportar. Indicador do nível da bateria. Desligamento automático após 8 segundos sem sinal. Basta colocar o dedo no sensor para obter em poucos segundos os valores da saturação de oxigênio e da pulsação. Duas baterias tipo AAA garantem 30 horas de medições. Incluso um cordão para carregar o aparelho. **Na embalagem**: manual de instruções, baterias. Capa de borracha (LDR136).

*max. opening L2cm x H2,7cm

LTD800
LUMINOUS LED DISPLAY

Measures: 58x32x34h mm 50 gr (batteries included)

TECHNICAL FEATURES

SpO2:	0-100%
Resolution:	1%
SpO2 accuracy:	80% to 100% ±2
	70% to 79% ±3
	0%-69%; not specified
Pulse rate:	30-235 bpm
Resolution:	1bpm
Pulse rate accuracy:	30 ÷100 ±2 bpm, 101÷235±2%
Alarm:	low battery indication

Real dimensions mm 32x34x58

LTD805
TURNING LIQUID CRYSTALS DISPLAY

For an easy reading, each time you press the power switch, the oximeter will change display mode.
Pressing the switch for a long time, you can change the display brightness
Measures: 58x30x34h mm 50gr
Batteries included

TECHNICAL FEATURES

SpO2:	0-99%
Resolution:	1%
SpO2 accuracy:	80% to 99% ±2
	70% to 80% ±3
	0%-69%; not specified
Pulse rate:	0-254 bpm
Resolution:	1bpm
Pulse rate accuracy:	±2 bpm or ±2%
Alarm:	low battery indication

*max. opening L2cm x H2,7cm

LTD807 PEDIATRIC (FROM 2-8 YEARS OLD)
TURNING LIQUID CRYSTALS DISPLAY
Measures: 50x29/26x28h mm
Batteries included

TECHNICAL FEATURES

SpO2:	0-99%
Resolution:	1%
SpO2 accuracy:	70% to 100% ±2
	0%-69%; not specified
Pulse rate:	30-254 bpm
Resolution:	1bpm
Pulse rate accuracy:	±2 bpm or ±2%
Alarm:	low battery indication

EN OPTIONAL TISSUE COVERS
F POCHETTE EN OPTION
ES FUNDA OPCIONAL
P CAPA OPCIONAL

EN Padded and resistant cover for pulsioximeters. It can be held on belt loop and on laneyard.

F Petite pochette en tissu rembourré et résistant pour oxymètres. Avec crochet en plastique pour fixation à Laneyard.

ES De tejido acolchado, cierre con velcro y gancho en plástico para cinta de enganche.

P Capa em tecido levemente almofadado e resistente para oxímetros de dedo. Com gancho de plástico para fixação tipo Laneyard.

LDR195V
TISSUE COVER FOR LTD800/805/807- GREEN COLOUR

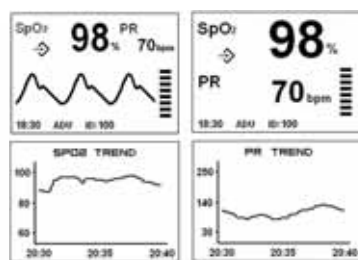
LDR195A
TISSUE COVER FOR LTD800/805/807- ORANGE COLOUR

EN HAND TYPE PULSIOXIMETER WITH ALARMS AND GRAPHIC TREND
F OXYMÈTRE DE POULS AVEC ALARMES ET ÉCRAN GRAPHIC
ES PULSIOXÍMETRO PORTATIL CON ALARMAS Y MONITOR DE CONTROL
P OXÍMETRO DE PULSO PALMAR COM ALARMES E DISPLAY GRÁFICO

EN Simple and light-weight, it's suitable for monitoring adult, children and newborn babies; in the LCD high resolution display, you can check last 10 minutes registration in graphic trend or in table mode. It is possible to record information up to 100 patients for 300 hours. This pulsioximeter is compatible with DB9 Nellcor and with BCI sensors and can be connected to computer with a special software (LTD825 not included).
Included: string to carry the device, batteries, instruction manual, adult clip sensor, case for transport.

F Très fiable, léger. Utilisable sur nourrissons, enfants et adulte. Écran à cristaux liquides haute résolution. Affichage des Tendances graphique et sous forme de tableau des derniers 10 minutes. Mémorisation jusqu'à 300h pour 100 patients. Possibilité de connecter à l'ordinateur avec logiciel (LTD825 en option). Capteurs compatibles: DB9 Nellcor et BCI.
Livré avec: bandoulière de portage, batteries, mode d'emploi, capteurs adultes, pochette de transport.

ES Ligero y de fácil utilización. Se puede utilizar con neonatos, niños, adultos. Es posible visualizar el TREND (desarrollo) de las mediciones de los últimos 10 minutos en modalidad GRÁFICA o TABLA en la misma pantalla. Se pueden registrar hasta 100 pacientes por 300 horas de memoria. Posibilidad de conexión al ordenador con software opcional (LTD825). Compatible con sensores Nellcor y BCI.
Accesorios: cordón para colgar, pilas, manual de instrucciones, sensor adultos, funda en tejido.

P Ideal para uso em clínicas, casas de repouso, hospitais. Próprio para o monitoramento de recém-nascidos, crianças e adultos. Display LCD de alta resolução. Visualização dos trends na modalidade gráfico ou tabela dos últimos 10 minutos. 300h de memória até 100 pacientes. É possível conectar ao computador com um software (LTD825 opcional). Sensores compatíveis DB9 Nellcor e BCI.
Na embalagem: cordão para carregar o aparelho, pilhas, manual de instrução, sensores adultos, capa para transporte.

LTD822 HAND TYPE PULSIOXIMETER WITH ALARMS, STORAGE AND GRAPHIC DISPLAY

LTD823 WITH NELLCOR INTERNAL MODE AND SENSOR, WITH OXYMAX TECHNOLOGY

LTD822R BATTERY CHARGER FOR LTD822 WITH BATTERY INCLUDED

TECHNICAL FEATURES

Class:	internal batteries (4 batteries 1.5V AA)
Safety class:	Class B, BF type, IPX2
Dimensions:	160x70x37.6mm
Weight:	165g without batteries
Display:	LCD 128x64, with LED backlight
Range	
SpO2:	0 - 100%
BPM:	30 - 254 BPM

Accuracy	
Saturation	
Adult and children:	± 2% (70 - 100%)
Newborn:	± 3% (70 - 100%)
In movement:	± 3% (70 - 100%)
Pulse rate	
Adult and children:	± 3 BPM
Newborn:	± 3 BPM
In movement:	± 5 BPM
Resolution	
SpO2:	1%
BPM:	1 BPM
Alarms:	SpO2 - BPM - Batteries - Sensor
Storage:	100 patients, 300 hours
Battery:	4 batteries 1.5V AA, compatible with rechargeable batteries
Battery life:	48 hours continously

case for transport included

EN SILICONE COVER FOR LTD822 AND LTD823
F PROTECTION EN SILICONE POUR LTD822 ET LTD823
ES FUNDA EN SILICONA PARA LTD822/LTD823
P CAPA EM SILICONE PARA LTD822 E LTD823

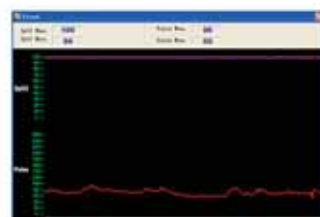
LDR197B
BLUE SILICONE COVER FOR LTD822/LTD823
LDR197G
GREY SILICONE COVER FOR LTD822/LTD823
LDR197V
GREEN SILICONE COVER FOR LTD822/LTD823

EN SOFTWARE FOR WINDOWS PC FOR LTD822/LTD823
F LOGICIEL PC WINDOWS POUR LTD822/LTD823
ES SOFTWARE PC WINDOWS PARA LTD822/LTD823
P SOFTWARE PC WINDOWS PARA LTD822/LTD823

EN Thanks to this software you can transfer the pulse oximeter records to your computer through the sensor connection and the cable included in the software. You can also print the data tables on normal paper or create a PDF file.

F Logiciel pour gérer les mémoires du LTD822 et LTD823. Par le connecteur du capteur Spo2 et le câble (inclus au logiciel), on peut transférer sur l'ordinateur les données de l'oxymètre. Possibilité d'impression du tableau des données sur papier standard ou faire un format PDF.

ES Software Windows para la gestión de las memorias del LTD822 y LTD823. A través de la conexión del sensor y del cable en dotación con el software se pueden transferir los datos del pulsioxímetro al ordenador. Se pueden imprimir las tablas de los datos en papel o crear un file PDF.

P Software Windows para a gestão das memórias do LTD822 e LTD823. Através da conexão do sensor Spo2 e do cabo (incluídos no software) pode-se transferir os dados do oxímetro ao computador. Pode-se imprimir as tabelas dos dados em papel standard ou criar um file em formato PDF.

LTD825
SOFTWARE PC WINDOWS
FOR STORAGE

EN ONE-HAND PULSE OXIMETER WITH ALARMS AND GRAPHIC DISPLAY
F OXYMÈTRE DE POULS AVEC ALARMES ET ÉCRAN GRAPHIQUE
ES PULSIOXÍMETRO PORTATIL CON ALARMAS Y MONITOR DE CONTROL
P OXÍMETRO DE PULSO PALMAR COM ALARMES E DISPLAY GRÁFICO

EN SpO2 tracing, light, compact, for monitoring adults, children and newborn babies. LCD high resolution display. Easy to use, simple operation buttons, anatomic and no-slip grip. It is possible to visualize Trend of last 24 hrs measurements (every 1 minute) of a patient showed in a graphic. The keyboard can be blocked. Adjustable saturation and pulse alarms. It is possible to select the alarm mode (VISUAL, SOUND, OFF) and the displaymode (numbers, numbers and wave diagram). BCI compatible sensors.
Included: instruction manual, reusable adult sensor, 90cm cable, batteries, rubber shell, connection cable for sensor (LDR155).

F Ligne SpO2 affichée, léger et compact. Utilisable sur nourrissons, enfants et adulte. Grand écran LCD à haute résolution. Facile à utiliser, design compact anti-dérapant pour l'emporter et manipuler. Il recueille jusqu'à 24 h de données du Trend visualisables sous forme de graphique des mesures effectuées à un patient (intervalle de 1 minute). Touches blocables. Alarmes réglables Spo2 et pouls. Possibilité de choisir l'alarme (SONORE, VISUELLE, OFF). 2 modes d'affichage de l'écran: nombres ou nombres et diagrammes d'onde. Capteurs compatibles BCI. **Livré avec**: mode d'emploi, capteur adulte, câble 90cm, coque protecteur, batteries, câblé de connexion pour capteur (LDR155).

ES Con curva de SpO2, ligero y compacto. Apto para adultos, niños y neonatos. Pantalla LCD. De fácil utilización, con funda anatómica antideslizante. Posibilidad de visualizar el Trend (desarrollo) de las mediciones de un paciente en las últimas 24 horas (con tiempo de intervalo de 1 minuto). El teclado se puede bloquear. Alarmas de SpO2 y pulso ajustables. Es posible seleccionar la modalidad de alarma (SONORO, VISUAL, OFF). Se puede seleccionar la modalidad de visualización de la pantalla (valores numéricos solamente o numeros y visualización gráfica). Sensores compatibles BCI. **Incluye**: manual de instrucciones, sensor reutilizable adultos, cable de 90cm, funda protectora, pilas, cable de conexion para sensor (LDR155).

P Com traçado do SpO2, leve, compacto, adequado para o monitoramento de adultos, crianças e recém-nascidos. Display LCD de alta resolução. Fácil de usar, simples botões de operação, anatômico e antideslizante. È possível visualizar o Trend no modo gráfico, relativo às últimas 24 horas, das medições de um paciente (tempo de intervalo de minuto). O teclado pode ser bloqueado. Alarmes de saturação e pulsação ajustáveis. É possível selecionar a modalidade do alarme (VISUAL, SOM, DESLIGADO) e também do display (somente números ou números e diagrama de onda). Sensores compatíveis BCI. **Na embalagem**: manual de instruções, sensor reutilizável adulto, cabo de 90cm, baterias, capa protetora, cabo de conexão para sensor (LDR155).

LCD Big display
Different alarm modes
Measurement trend visualization
Rubber protection shell provided
Easy to read
BCI compatible sensor
Connection cable for sensor (LDR155)

+ 6V
1 amp

Standard model connection for feeder and battery charger. Battery charger NOT INCLUDED

TECHNICAL FEATURES

Use: newborn babies, children, adults
SpO2 range: 0% - 99%
Accuracy: adults ±2% for 70 - 100% SpO2; newborn babies ±3% for 70 - 100% SpO2
Pulse range: 30 - 254 bpm
Resolution: 1 bpm
Accuracy: > ±2 bpm & ±2%
Alarms: Sound and visual for high and low saturation (1% ~100), pulse rate (5÷240 bpm), sensor conditions, low pulse, low batteries
Batteries: 4 AA batteries not rechargeable; 4AA batteries rechargeable (not included)

EN WRIST PULSEOXIMETER - 72H MEMORY - PC CONNECTION
F OXYMÈTRE DE POULS TYPE MONTRE-BRACELET - 72H MÉMOIRE - CONNEXION PC
ES PULSIOXÍMETRO DE MUÑECA – 72H MEMORIA - CONEXION PC
P OXÍMETRO DE PULSO TIPO PULSEIRA – 72H MEMÓRIA - CONEXÃO PC

EN Small, lightweight, SpO2 and pulse rate measuring and storage. Suitable for sports use, for monitoring adults and children in hospitals, ambulatory and studying sleep disorders. **It includes**: 1 AAA battery-1 SpO2 sensor-1 wristband-instruction manual.

F Petit, léger, affichage et mémoire de SpO2 et BPM. Apte à l'utilisation sportive, à l'utilisation en hôpitaux, cliniques, à étudier les troubles du sommeil. Pour adultes et enfants. **Livré avec**: 1 pile AAA- 1 capteur SpO2- 1 bracelet – 1 mode d'emploi

ES Pequeño y ligero, con medición y memorización de SpO2 y pulso. Apto para uso deportivo, para la monitorización de adultos y niños en hospitales, clínicas, y para estudiar las disfunciones del sueño. **Incluye**: 1 pila AAA- 1 sensor SpO2- 1 brazalete – 1 manual de instrucciones.

P Pequeno e leve, com medição e memorização de SpO2 e pulsação. Adequado para uso esportivo, para a monitoragem de adultos e crianças em hospitais, clínicas, e para estudar as perturbações do sono. **Na embalagem**: 1 pila AAA- 1 sensor SpO2- 1 pulseira – 1 manual de instruções.

LTD840P ADULT - PEDIATRIC

TECHNICAL FEATURES LTD840P

Use:	Adult-pediatric
SpO2:	0% -99%
SpO2 accuracy:	from 80% to 100% ±2, from 70% to 79% ±3
Pulse rate:	0÷254 bpm
Pulse rate accuracy:	30 ÷100 ±2 bpm, 101÷235±2%
Display:	LCD
Parameters:	SpO2, pulse rate, pulse rate on bar
Display information:	SpO2, pulse rate, pulse rate on bar, disconnected sensor, no finger contact, full memory, low battery, 2 errors
Data transmission:	cable and USB
Dimensions:	mm60x50x20h
Weight:	26gr
Batteries:	1xAAA alkaline or 1xAAA rechargeable
Alarms:	SpO2, PR, disconnected sensor
Alarm modes:	visual

LTD840S MEDVIEW SOFTWARE FOR LTD840P (OPTIONAL) ENGLISH LANGUAGE

EN The software can be used with more oximeters without additional licences. It allows to download many patients' stored SpO2 and pulse rate data, beginning and end time. They can be visualized as graphic or data list (time, SpO2 and Pulse Rate). **It includes**: 1 CD -1 instruction manual – 1 USB key (for software protection).

F Le software peut gérer plusieurs oxymètres sans licences ultérieures. Il permet de décharger les données enregistrées de la saturation et du pouls de plusieurs patients con la date et l'heure de début et fin. Les données peuvent être visualisées en graphique ou comme liste de données (heure, saturation et pouls). **Livré avec**: 1 CD- 1 mode d'emploi-1 clé USB de protection.

ES El software puede gestionar más pulsioxímetros sin necesitar licencias adicionales. Permite de descargar los datos de SpO2 y pulso de distintos pacientes con fecha y hora de inicio y fin. Los datos pueden visualizarse en gráfico o listado de datos (hora, SpO2 y pulso). **Incluye**: 1 CD – 1 manual de instrucciones – 1 lapicero USB (para la protección del software).

P O software pode gerenciar diversos oxímetros de pulso sem licenças posteriores. Permite descarregar os dados de SpO2 e pulsação de pacientes diferentes com data e hora de início e fim. Os dados podem ser visualizados em forma de gráfico ou lista de dados (hora, SpO2 e pulsação). **Na embalagem**: 1 CD- 1 manual de instruções- 1 chave USB (para a proteção do software).

EN DESK PULSE OXIMETER
F OXYMÈTRE DE POULS DE TABLE
ES PULSIOXÍMETRO DE MESA
P OXÍMETRO DE PULSO DE MESA

EN Lightweight, big LED display for SpO2 and PR visualization. The plethysmographic wave and data are visualized on the LCD display. 3 visual & audio alarm levels, which can be set up individually. 72h data storage or 100 patients. The inner rechargeable battery lasts 24h (without using the printer). Suitable for adults and pediatric use.

F Léger, grand écran à DEL pour mesurer la saturation et le pouls. Affichage de la courbe pléthysmographique et d'autres données sur l'écran à cristaux liquides. 3 niveaux l'alarme sonore et visuelle réglables individuellement. Mémorisation jusqu'à 72h ou 100 patients. Batterie interne rechargeable pour une autonomie de 24h (sans imprimer). Utilisable sur adultes et enfants

ES Ligero, con grande pantalla LED para visualizar SpO2 y pulso. La curva pletismográfica y los otros datos se visualizan en la pantalla LCD. 3 alarmas sonoras y visivas ajustables individualmente. Memorización hasta 72h o 100 pacientes. La batería interna recargable se puede utilizar por 24h (sin imprimir). Para adultos y para uso pediátrico.

P Leve, com um grande display LED para a medição SpO2 e pulsação. Visualização no display LCD da curva pletismográfica e outros dados. 3 alarmes sonoros e visuais ajustáveis individualmente. Memorização até 72h ou 100 pacientes. Bateria interna recarregável com uma duração máxima de 24h (sem imprimir). Para adultos e uso pediátrico.

LTD830P DESK PULSE OXIMETER
Without Printer

LTD830S DESK PULSE OXIMETER
With Printer

Included:
Instruction manual,
reusable adult sensor,
90cm cable,
built-in battery,
connection cable
for sensor (LDR155)

Display and keyboard

Printer

AC power and connections

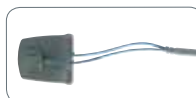
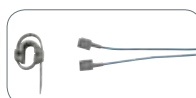
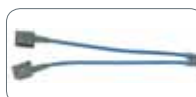
TECHNICAL FEATURES

Class:	internal rechargeable batteries & AC power
Security:	IEC 60601-1
Dimensions:	300mm x 175 mm x 100mm
Weight:	1,5 kg battery included
Display:	3,5" LED & 3,5" LCD SpO2 range: 70%-100% SpO2 accuracy: 80-99% ±2% 70%-80% ±3%
Pulse rate:	30-250 bpm
Pulse rate accuracy:	30-250 ±2 bpm
Alarms:	SpO2, PR, disconnected sensor, no finger contact, low battery
Alarms modes:	3 visual-audio alarm levels with error codes
Memory:	72h or 100 ID patients
Battery:	internal, rechargeable
Battery life:	24h (without printing)
Printer:	built-in LTD830S only
Printer paper:	48 mm width

EN SENSOR FOR DIMED PULSE OXIMETERS - LTD820-LTD830P-LTD830S
F CAPTEURS COMPATIBLES POUR OXYMÈTRES DE POULS DIMED LTD820-LTD830P-LTD830S
ES SENSORES PARA PULSIOXÍMETROS DIMED – LTD820-LTD830P-LTD830S
P SENSORES COMPATÍVEIS PARA OXÍMETROS DE PULSO DIMED - LTD820-LTD830P-LTD830S

LDR105
Adult hinged sensor - 90 cm cable

LDR115
Pediatric hinged sensor - 90 cm cable

LDR120
Soft adult sensor - 90 cm cable

LDR125
Wrapround adult sensor - 90 cm cable
LDR130
Wrapround pediatric sensor - 90 cm cable

LDR135
Neonate Sensor Y type - 90 cm cable

LDR145
Sensor for LTD840P

LDR150
Connection cable for sensor LTD810
LDR155
Connection cable for sensor LTD820 (not illustrated)

EN SENSOR FOR LTD822
F CAPTEURS POUR LTD822
ES SENSORES PARA LTD822
P SENSORES PARA LTD822

LDR200
Adult hinged sensor - 90 cm cable (not illustrated)

LDR202
Soft adult sensor - 90cm cable (not illustrated)

LDR203
Soft pediatric sensor - 90cm cable (not illustrated)

LDR204
Wrapround neonate sensor - 90cm cable (not illustrated)

LDR205
Lobe/tongue sensor - 90cm cable (not illustrated)

LDR209
Extension cable for sensors - 2m cable (not illustrated)

EN ULTRASONIC POCKET DOPPLERS
F DOPPLER À ULTRASONS DE POCHE
ES DOPPLER DE ULTRASONIDOS DE BOLSILLO
P DOPPLER DE ULTRA-SONS DE BOLSO

EN Compact, easy to use. Ergonomic design allows a probe and device simple handgrip. Waterproof and easy interchangeable probes. Automatic turn-off.

F Compact, simple à utiliser. Design ergonomique, facile à manipuler la sonde et l'appareil. Sonde étanche, facile à interchanger. Extinction automatique.

ES Compacto, de simple utilización. Se empuña facilmente gracias al design ergonómico de la sonda y del aparato. Sondas intercambiables y impermeables. Se apaga automaticamente.

P Compacto, simples de usar. O design ergonômico permite um fácil manuseio da sonda e do aparelho. Sondas facilmente intercambiáveis e impermeáveis. Desligamento automático.

LTD100
SONOTRAX BASIC

LTD110
SONOTRAXBASIC A

LTD120
SONOTRAXPRO

LTD130
SONOTRAX LITE WITHOUT DISPLAY

Economic and easy to use, it's created for new-parents that want to hear the heartbeats of the future baby

Pouch included

Probes

Probe electrical connection

Sound system

Accessories included 1 waterproof probe 2Mhz, 1 pouch
Livré avec 1 sonde étanche 2Mhz, 1 mallette de transport
Incluye 1 sonda impermeable 2Mhz, 1 estuche para transporte
Acessórios inclusos 1 sonda impermeável 2Mhz, 1 estojo de transporte

AVAILABLE OPTIONAL PROBES:
(specify the required probe during the order)

FETAL PROBE WITH DEEPER DETECTION:

LDR400/2
2MHz Waterproof probe (equipped with the product)

LDR400/3
3MHz waterproof probe

Fetal

VASCULAR PROBES WITH LOWER DETECTION CAPACITY:

LDR400/4
4MHz waterproof probe

LDR400/8
8MHz waterproof probe

Vascular

MODELS:	LITE	BASIC	BASIC A	PRO
Inter changeable probes	Yes	Yes	Yes	Yes
FHR Display	No	Yes	Yes	Yes
Built-in audio recorder	No	No	No	Yes
Backlight	No	No	Yes	Yes
Probe auto detection	No	Yes	Yes	Yes
Battery status	No	No	Yes	Yes
Low battery indication	No	Yes	Yes	Yes

TECHNICAL FEATURES	
Display:	45x25mm LCD display
Heart rate range:	50 - 210 bpm
Resolution:	1 bpm
Audio sampling frequency:	4KHz / 8KHz
Recorning length:	480s / 240s
Audio output power:	0,5W
Auto shut-off:	1 minute
Dimensions:	32x85x138mm
Weight:	290 gr with battery included

EN ECG 12 CHANNELS USB FOR PC
F ECG À 12 PISTES VERSION USB À L'ORDINATEUR
ES ELECTROCARDIÓGRAFO 12 CANALES USB POR ORDENADOR
P ELETROCARDIÓGRAFO 12 CANAIS USB PARA COMPUTADOR

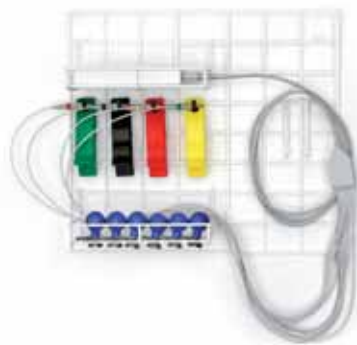
EN SEIVA EKG allows to transmit data from the patient to the pc using an USB cable. It allows the user to monitor, store and print data. SEIVA EKG records are saved by a SEIVA database together with other diagnostic examinations. All records can be recalled and modified. The 12 leads are simultaneously recorded and monitored in real time. The most interesting datas can be saved for a further analysis. The ECG allows to measure curves automatically or manually, and it suggests the diagnosis automatically. It gives an overview of the curves before their storage. SEIVA EKG uses standard A4 paper.

F SEIVA EKG permet la lecture en temps réel des données du patient sur PC, par un câble USB. Monitorage, mémorisation, impression et stockage des données. La database SEIVA fait le stockage des données avec d'autres examens diagnostiques. Les données peuvent être visualisées et modifiées. Stockage de 12 dérivations simultanées. Mémoire des données plus importantes pour une analyse ultérieure. Mésuration automatique ou manuelle des courbes, avec la suggestion automatique du diagnostic. Affichage des courbes avant du stockage. Impression: papier A4 standard.

ES SEIVA EKG permite la transmisión de los datos del paciente hasta el ordenador a través de un cable USB. Permite monitorizar, almacenar y imprimir los datos. La base de datos SEIVA almacena los datos juntos a otros examenes diagnósticos. Los datos se pueden visualizar y modificar. Registra las 12 trazas simultáneamente y las monitoriza en tiempo real. Los datos más interesantes pueden almacenarse por un análisis posterior. El ECG permite la medición automática o manual de las curvas, y sugiere un diagnóstico automaticamente. Permite la visualización de las curvas antes del almacenamiento. Imprime con papel A4 estándar.

P SEIVA EKG consente a transmissão direta dos dados do paciente ao computador, através de um cabo USB. O usuário pode monitorar, memorizar, armazenar e imprimir os dados do ECG. A base de dados SEIVA faz o armazenamento de dados juntamente com outros exames diagnósticos. Esses dados podem ser visualizados e modificados. Registra os 12 traçados simultaneamente e os monitora em tempo real. Os dados mais interessantes podem ser memorizados para uma análise posterior. O ECG consente a medição automática ou manual das curvas e sugere um diagnóstico automaticamente. Visualização das curvas antes do armazenamento. Impressão com papel A4 standard.

LTD480

- 12 leads ECG
- 12 leads/12 channels
- Simple use
- Data storage
- Measurement and interpretation
- Powered directly by PC (no batteries)
- Long-term ECG recording
- Print out on standard A4 paper

GRAPHIC

TECHNICAL FEATURES

Channels: 12 channels simultaneously recorded
Leads: 12 (I, II, III, aVR, aVL, aVF, V1-V6)
Results presentation: computer screen or print-outs
Filters: 25/35 Hz antidrift basal line, net 50/650 Hz

Speed: A4 standard paper
Sensitivity: 5,10,20 mm/mv
Dimensions: 180x91x36mm
Weight: 300 gr

EN DIMED PRO 1 CHANNEL ELECTROCARDIOGRAPH
F ECG À 1 PISTE DIMED PRO
ES ELECTROCARDIÓGRAFOS DE 1 CANAL DIMED PRO
P ELETROCARDIÓGRAFO DE 1 CANAL DIMED PRO

EN Compact, light, easy to carry thanks to a commode incorporated handle. Internal battery allows its use on any place. The heavy-duty external structure save the device from shocks. Easy to use thanks to a simple and intuitive software. Software (optional for the three channels model), allows data transfer and recording to the PC. Possibility to memory recall. Digital drift filters, AC and EMG.

F Compact, léger, avec poignée de transport. Batterie interne qui permet l'utilisation partout . Structure anti-choc. Facile à utiliser, logiciel simple et intuitif. Le logiciel (en option seulement pour le ECG à 3 piste) permet de transférer et enregistrer les données à l'ordinateur. Mémoire automatique des tracés et simple rappel des tracés mémorisés. Filtres digitaux drift, AC e EMG.

ES Compacto, ligero, con asa para transporte. Batería interna para una fácil utilización en cualquier lugar. Estructura anti-choque. Software intuitivo (opcional solamente por el modelo de tres canales) permite la gestión de los datos y el almacenamiento en PC. Memorización automática de los datos y simple visualización de los datos memorizados. Filtros digitales drift, AC y EMG.

P Compacto, leve, fácil de carregar graças à conveniente alça. A bateria interna permite o uso do aparelho em qualquer lugar. A resistente estrutura externa protege o aparelho de eventuais danos. Simples de usar devido ao software imediato e intuitivo. O software (opcional somente para o modelo de três canais) permite o transferimento e salvamento dos dados para o computador. Memorização automática dos traçados e simples recall dos mesmos da memória. Filtros digitais drift, AC e EMG.

LTD400 1 CHANNEL - NO INTERPRETATION

CE 0123

- Built-in lithium battery
- Baseline automatic adjustable
- Thermal printer high resolution 192x64 pixels
- Display LCD with waveform visualisation
- Baseline digital filters AC and EMG
- Auto/manual operation selectable
- Lead-off cable detection

LTD407 Optional carrying bag
DRV1520 Paper for LTD400

Accessories included	Patient cable, electrodes set, gel, paper, power cable, instruction manual
Livré avec	Câble patient, jeu d'électrodes, gel, papier, câble d'alimentation, mode d'emploi
Accesorios incluidos	Cable paciente, juego de electrodos, gel, papel, cable de alimentación, manual de instrucciones
Acessórios inclusos	Cabo do paciente, kit de eletrodos, gel, papel, cabo de alimentação, manual de instruções

EN DIMED 1/3 CHANNELS PRO ELECTROCARDIOGRAPH
F ECG À 1/3 PISTES DIMED PRO
ES ELECTROCARDIÓGRAFO DE 1/3 CANALES DIMED PRO
P ELETROCARDIÓGRAFO DE 1/3 CANAIS DIMED PRO

LTD405S 1/3 CHANNELS

Built-in lithium battery
Baseline automatic adjustable
192x64 pixels display LCD with waveform visualisation
Baseline digital filters AC and EMG
Auto/manual operation selectable
Lead-off cable detection
Authomatic ECG parameters and analysis
Selectable printing format: 3 LEAD, RHYTM,3/2 LEAD, MANUAL ONE LEAD
100 patients data storage can be reviewed in PC (to be used with special software)

LTD406
PC SOFTWARE FOR LTD405S/W - LTD450 - LTD455S/W - LTD440 - LTD445S (OPTIONAL)

EN Software for data transfer, storage and analysis. Possibility to print-out in A4 standard printer
F Logiciel pour transférer, stocker et analyser les données. Possibilité d'impression sur papier A4 standard
ES Software para transmitir, almacenar y analizar los datos. Posibilidad de imprimir en papel A4 estándar
P Software para transmitir, armazenar e analisar os dados. Possibilita a impressão em papel A4 standard

LANGUAGES AVAILABLE ON REQUEST:

- ITALIAN
- ENGLISH
- SPANISH
- PORTUGUESE
- FRENCH
- RUSSIAN

LTD407 Optional carrying bag
DRV1521 Paper for LTD405S

Accessories included	Patient cable, electrodes set, gel, paper, power cable, instruction manual
Livré avec	Câble patient, jeu d'électrodes, gel, papier, câble d'alimentation, mode d'emploi
Accesorios incluidos	Cable paciente, juego de electrodos, gel, papel, cable de alimentación, manual de instrucciones
Acessórios inclusos	Cabo do paciente, kit de eletrodos, gel, papel, cabo de alimentação, manual de instruções

EN DIMED PRO ELECTROCARDIOGRAPHS 1/3 CHANNELS
F ECG À 1/3 PISTES DIMED PRO
ES ELECTROCARDIÓGRAFO DE 1/3 CANALES DIMED PRO
P ELETROCARDIÓGRAFO DE 1/3 CANAIS DIMED PRO

LTD405W
1/3 CHANNELS WITH INTERPRETATION - BIG DISPLAY
Built-in lithium battery
Baseline automatic adjustable
320x240 pixels display LCD with waveform visualisation
Baseline digital filters AC and EMG
Auto/manual operation selectable
Lead-off cable detection
Automatic ECG parameters and analysis
Selectable printing format: 3 LEAD, RHYTHM,3/2 LEAD, MANUAL ONE LEAD
100 patients data storage can be reviewed in PC (to be used with special software)

LANGUAGES AVAILABLE ON REQUEST:

- ITALIAN
- ENGLISH
- SPANISH
- PORTUGUESE
- FRENCH
- RUSSIAN

Connections

Power supply

DRV1521 Paper for LTD405W

LTD406
PC SOFTWARE FOR LTD405S/W - LTD450 - LTD455S/W - LTD440 - LTD445S (OPTIONAL)
EN Software for data transfer, storage and analysis. Possibility to print-out in A4 standard printer
F Logiciel pour transférer, stocker et analyser les données. Possibilité d'impression sur papier A4 standard
ES Software para transmitir, almacenar y analizar los datos. Posibilidad de imprimir en papel A4 estándar
P Software para transmitir, armazenar e analisar os dados. Possibilita a impressão em papel A4 standard

C0150
Optional

TECHNICAL FEATURES	LTD400	LTD405S-LTD405W
Input circuit:	Floating input circuit, protection from defibrillation and pace maker	Idem
Cable:	Standard 12 LEAD	Idem
Acquisition mode:	Single	12 leads simultaneously
A/D converter:	12 bit	Idem
Measurement range:	> ± 5mVpp	Idem
Time constant:	> 3.2 sec	Idem
Frequency Response:	0,05Hz-150Hz	Idem
Ecg parameter and analysis:	No	Yes
Memory:	No	100 patients
Calibration voltage:	1mV ± 3%	Idem
Sensitivity:	2,5-5-10-20(mm/mV)	Idem
Input impendance:	> 10Ω	> 50Ω
Input Circuit current:	100nA	50nA
Noise level:	< 15µ Vp-p	Idem
Anti baseline drift:	Auto	Idem
Patient current leakage:	< 10µ (220V-240V7Hz)	Idem
Patient auxiliary current leakage:	< 0,1µ (DC)	Idem
Filters:	EMG filter 35Hz (-3dB)	Idem
	AC filter 50Hz/60Hz (-20dB)	Idem
CMRR	>90 dB	>100dB
Recording mode	Auto/manual	Idem
Rhythm lead	Any lead selectable	Idem
Lead selection	Auto/manual	Idem
Safety standard	IEC I/CF	Idem
Power supply	AC:100V-115V/220V-240V,50/60Hz	Idem
Built-in rechargeable Lithion battery:	Voltage =14.4V (3hrs continuously operation)	Idem
Printer	Thermal	Idem
Paper	50mmx30m	80mmx30m
Paper speed	25mm/s,50mms ±3%	5mm/s,10mm/s,25mm/s, 50mm/s ±3%
Dimensions	288x210x70mm	288x210x70mm
Weight	2,3 kg with battery	2,5kg with battery
Display	192x64 pixels LCD	320x240 pixels LCD LCD (LTD405W)-192x64 pixel LCD (LTD405S)
Communication interface	RS232	RS232, USB, ETHERNET

Accessories included Patient cable, electrodes kit, gel thermal paper, power cable, instruction manual
Livré avec Câble patient, jeu d'électrodes, gel papier, câble d'alimentation, mode d'emploi
Incluye Cable paciente, juego de electrodos, gel papel, cable de alimentación, manual de instrucciones
Acessórios inclusos Cabo do paciente, kit de eletrodos, gel papel, cabo de alimentação, manual de instruções

LTD407 Optional carrying bag

EN HEARTSCREEN 60G ELECTROCARDIOGRAPH 1/3 CHANNELS
F ECG À 1/3 PISTES DIMED HEARTSCREEN 60G
ES ELECTROCARDIÓGRAFO DE 1/3 CANALES DIMED HEARTSCREEN 60G
P ELETROCARDIÓGRAFO DE 1/3 CANAIS HEARTSCREEN 60G

EN With the new INNOBASE for Windows cardiological database management software, the HeartScreen 60G forms an ECG diagnostic center. Starting programs and mains operating modes, settings can be accessed directly from the keyboard, while the logical menu system perfectly fits user requirements. The device can be recharged in a very short time thanks to an efficient quick-charger.

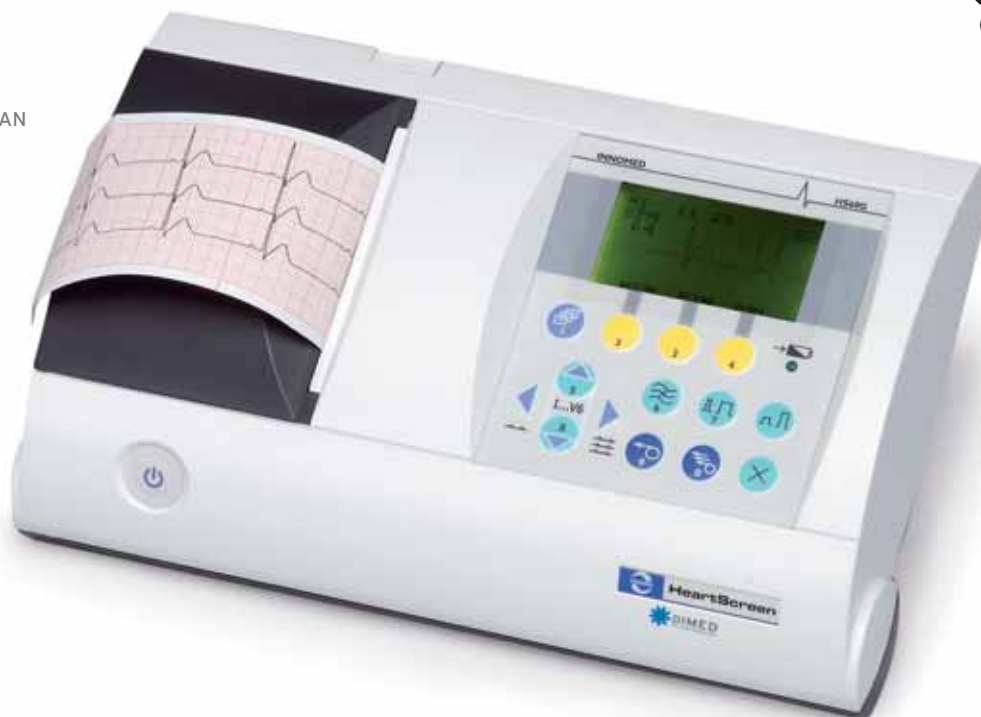
F Avec le nouveau logiciel pour le contrôle de data base cardiologique INNOBASE pour Windows, le système du HeartScreen 60G est un très complet ECG. Les démmarages des programmes, fonctions, configurations sont activés directement du clavier. Le menu est intuitif. Le chargeur de batterie permet de charger très rapidement la batterie.

ES Con el nuevo software INNOBASE para Windows para la gestión de los datos, Heartscreen 60G ofrece una solución completa para la diagnosis ECG. El inicio de los programas y las modalidades de funcionamiento son accesibles directamente del teclado, y el menu de las opciones es intuitivo y de fácil uso. El cargador de batería permite recargar el aparato muy rapidamente.

P Com o novo software para a gestão do database cardiológico INNOBASE para Windows, o Heartscreen 60G oferece uma solução completa para o diagnóstico ECG. O início dos programas, dos modos de funcionamento, configurações são acessíveis diretamente do teclado, enquanto o menu adequa-se perfeitamente às exigências do usuário. O aparelho pode ser recarregado em pouco tempo graças ao recarregador.

8 LANGUAGES AVAILABLE:

- ITALIAN
- ENGLISH
- FRENCH
- SPANISH
- GERMAN
- HUNGARIAN
- RUSSIAN
- POLISH

CE 0120

LTD410

1/3 CHANNEL 60G WITH INTERPRETATION, PC CONNECTION

12 standard leads and cabrera leads
12 channel simultaneous data acquisition
LCD display for single channel ECG display
Long life thermal printer (58mm)
Menu controlled operation
Membrane keys
PC connection ready
Intelligent quick battery charger
Automatic/manual lead selection
Built-in calendar and clock

Extensive ECG services
Simultaneous 12-lead ECG acquisition
Automatic and manual operating modes
Graphic LCD for 1-channel monitoring
Reliable thermal printer
Optional ECG analysis program
Battery operating mode
Mobility
ECG record storage
Complete ECG user-interface on the PC monitor
ECG monitoring and storage
Printing on size A4 paper
Database management

DRV1522 Paper for LTD410

TECHNICAL FEATURES

Weight and dimensions:	device 250x120x70mm; 1,2 kg battery charger 100x50x40mm; 0,3 kg
Mains voltage:	110V 10% 230V+10% 50/60Hz
Power consumption:	0,3A / 230V, 0.6A / 110V time
Battery type:	8x1500mAh NiMh rechargeable battery - Approximately 2 hours charging time
Operating time with batteries:	min 6 hours continuous operation, min 30 minutes printing with 2-min breaks every 5 min
Safety:	patient leakage current: 10µA
Safety class:	"I", "CF" according to IEC 601-1
Defibrillator protection:	with defibrillator protected cable
Environmental conditions:	operating temperature: +0 / +40°C storage temperature : -20 / +60°C humidity: 20 / 95% without condensation
ECG	
Leads:	12 leads
Paper speed:	5,25,50 min/sec
Sensitivity:	1⁄4 1⁄2 1,2, cm/mV
Heat sensitive paper:	wide 58mm
Printing:	high-resolution thermal printer head, max.16 points /mm resolution printing/lead selection, 3-channel printing from 12 leads
Printing mode:	automatic/manual
Storage capacity:	24 patients
Controls:	membrane keys
ECG Amplifer according to IEC 601-2-51 and AAMI:	- standard parallel 12 leads - frequency : 0,05Hz-150hz, +0/-3 dB - input noise: max 20µVpp - CMRR: min 100dB - DC tolerance: ±320mV DC - input impendance tip: 50 Mohm - input signal range: ±8mV
Digital Conversion Data	
Sampling:	12-channel simultaneous, 100Hz/ channel
A/D CONVERTER:	13-BIT, 2,5Mv / bit on the input
Pacemaker processor data:	max pacemaker energy ±7 mV/2 ms during pacemaker detector operation min. 2mV/0.5 ms / max.700 mV /ms
Filters:	50/60Hz mains interface filter, muscle filter and baseline filter
Input/Output:	RS 232 isolated active serial I/O
Display	
Displayed on LCD:	1-channel ECG setup parameters
Displayed on PC monitor:	3-channel ECG signal on line device settings
Recommended accessories:	10-pole patient cable with electrodes set
Available programs:	INNOBASE for Windows database management system 3-channel printing on size A4 paper

LTD407 Carrying bag included

Accessories included Patient cable, electrodes kit, gel, paper, power cable, carrying bag, INNOBASE software for PC (see relative page), user manual

Livré avec Câble patient, jeu d'électrodes, gel, papier, câble d'alimentation, sacoche de transport, logiciel INNOBASE (voir page concernant le logiciel), mode d'emploi

Incluye Cable paciente, juego de electrodos, gel, papel, cable de alimentación, bolsa para transporte, software INNOBASE para PC (ver página del software), manual de instrucciones

Acessórios inclusos Cabo do paciente, kit de eletrodos, gel, papel, cabo de alimentação, bolsa de transporte, software INNOBASE para PC (ver página relativa a software), manual de instruções

EN HEARTSCREEN 80G ELECTROCARDIOGRAPH 1/3 CHANNEL
F ECG À 1/3 PISTES DIMED HEARTSCREEN 80G
ES ELECTROCARDIÓGRAFO DE 1/3 CANALES DIMED HEARTSCREEN 80G
P ELETROCARDIÓGRAFO DE 1/3 CANAIS HEARTSCREEN 80G

EN The new high-resolution and large LCD can display 4 curves (3 ECG and 1 rhythm curve). Thanks to backlight the user can easily navigate the menus. The device can be recharged in a very short time thanks to an efficient quick-charger. Prior to record storage, the user can verify the quality of all ECG curves, electrode position on the built-in single channel.

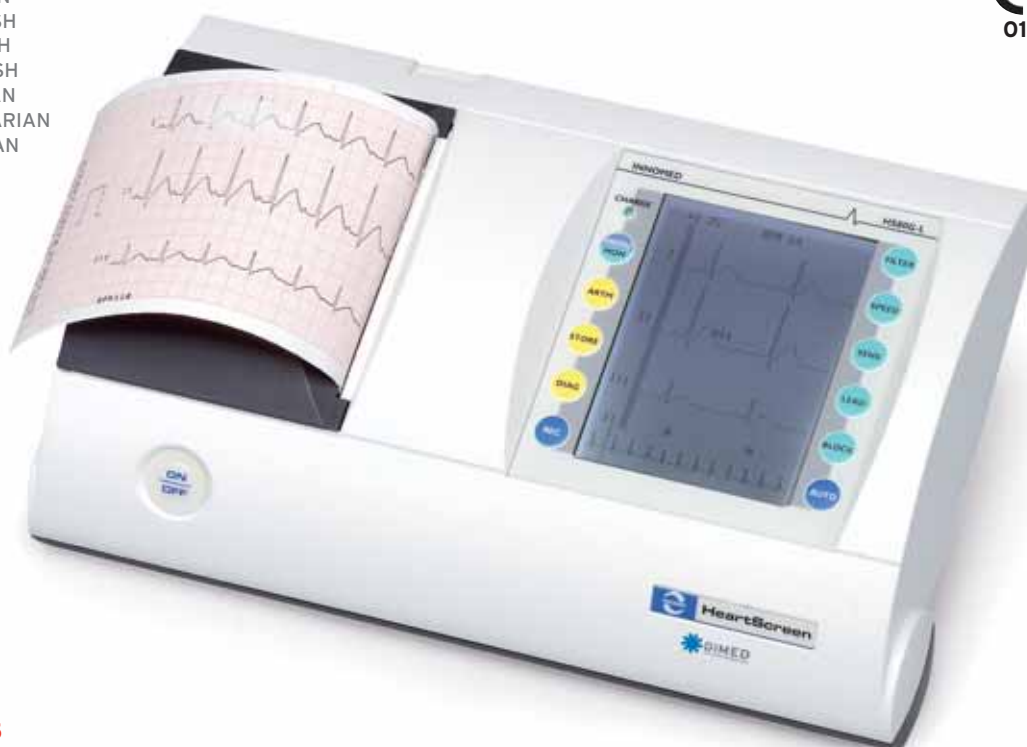
F Le nouveau grand écran rétro-illuminé montre 4 tracés (3 ECG et 1 courbe du rythme). La rétro-illumination permet une simple utilisation du menu et la consultation des tracés mémorisés. Le chargeur de batterie permet de charger très rapidement la batterie. L'utilisateur peut vérifier la qualité des tracés ECG et de la mise en place des électrodes avant de l'enregistrement sur l'écran à 1 tracé incorporé.

ES La nueva pantalla grande y retroiluminada enseña 4 curvas (3 ECG y una curva del ritmo). Gracias a la retroiluminación es más simple la utilización del menú y la visualización de las curvas bajo todas las condiciones de iluminación, sin necesidad de imprimir. El cargador de batería permite recargar el aparato muy rapidamente. El usuario puede verificar la calidad de las trazas ECG y el posicionamiento de los electrodos antes de la registración en la pantalla de 1 canal.

P O novo display LCD de alta resolução mostra 4 curvas (3 ECG e 1 curva do ritmo). Graças à retroiluminação o usuário pode navegar facilmente pelos menus. O aparelho pode ser recarregado em pouco tempo graças ao recarregador. O usuário pode verificar a qualidade de todos as curvas ECG e do posicionamento dos eletrodos antes da registração no display de um canal incorporado.

7 LANGUAGES AVAILABLE:

- ITALIAN
- ENGLISH
- FRENCH
- SPANISH
- GERMAN
- HUNGARIAN
- RUSSIAN

CE 0120

LTD415
1/3 CHANNEL 80 G - WITH INTERPRETATION

12 standard leads and Cabrera
12 channel simultaneous data acquisition
Backlight LCD display for 3-channel ECG + 1 rhythm display
Long life thermal printer (80mm) simultaneous 3-channel
Menu controlled operation
Membrane keys
PC connection ready
Intelligent quick charger
Automatic/manual lead selection
Built-in calendar and clock
Arrhythmia program
ECG analysis
Database management
12-channel printing on size A4 paper
Battery operating mode
Mobility

LDR407 Carrying bag included
DRV1523 Paper for LTD415

TECHNICAL FEATURES

Weight and dimensions:	device 250x120x70mm; 1,2 kg battery charger 100X50X40mm; 0,3 kg
Mains voltage:	110V-10% / 230V+10% 50/60Hz
Power consumption:	0,3A / 230V, 0,6A / 110V time
Battery type:	8x1500mAh NiMh rechargeable battery
Charging time:	approximately 2 hours
Operating time with batteries:	min 6 hours continuos operation, min 30 minutes printing with 2-min breaks every 5 min
Safety:	patient leakage current: 10µA
Safety class:	"I", "CF" according to IEC 601-1
Defibrillator protection:	with defibrillator protected cable
Environmental conditions:	operating temperature: +0 / +40°C storage temperature: -20 / +60°C humidity: 20 / 95% without condensation

ECG

Leads:	12 leads
Paper speed:	5,25,50 min/sec
Sensitivity:	1⁄4 1⁄2 1,2, cm/mV
Heat sensitive paper:	wide 80mm
Printing:	high, resolution thermal printer head (80mm) max16 points /mm resolution printing / lead selection , 3-channel printing from 12 leads
Printing mode:	automatic / manual
Printed data:	registration date and time
Storage capacity:	24 patients
Controls:	membrane keys
ECG Amplifer:	according to IEC 601-2-51 and AAMI: standard parallel 12 leads
Frequency:	0,05Hz - 150Hz, +0/-3 dB
Input noise:	max 20µVpp
CMRR:	min 100dB
DC tolerance:	±320mV DC
Input impendance tip:	50 Mohm
Input signal range:	±8mV

Digital Conversion Data

Sampling:	12-channel simultaneous, 100Hz/ channel
A/D Converter:	13-BIT, 2,5Mv / bit on the input
Pacemaker processor data:	max pacemaker energy ±7 mV/2 ms during pacemaker detector operation min 2mV/0,5 ms/max.700 mV/ms
Filters:	50/60Hz mains interface filter muscle filter and baseline filter
Input/Output:	RS 232 isolated active serial I/O

Display

Displayed on LCD:	3-channel ECG, 1 channel rhythm, setup parameters
Displayed on PC monitor:	3-channel simultaneous ECG signal device settings
Recommended accessories:	10-pole patient cable with electrodes set 4-pole patient cable for rhythm
Available programs:	INNOBASE for Windows database management system (min WIN 95) 3-channel printing on size A4 paper 12-channel simoultaneusly monitoring 12-channel printing on size A4 paper

Accessories included Patient cable, electrodes kit, gel, paper, power cable, carrying bag, INNOBASE software for PC (see relative page), user manual

Livré avec Câble patient, jeu d'électrodes, gel, papier, câble d'alimentation, sacoche de transport, logiciel INNOBASE (voir page concernant le logiciel), mode d'emploi

Incluye Cable paciente, juego de electrodos, gel, papel, cable de alimentación, bolsa para transporte, software INNOBASE para PC (ver página del software), manual de instrucciones

Acessórios inclusos Cabo do paciente, kit de eletrodos, gel, papel, cabo de alimentação, bolsa de transporte, software INNOBASE para PC (ver página relativa a software), manual de instruções

EN HEARTSCREEN 112 CLINIC 3/6 CHANNELS ECG
F ECG À 3/6 PISTES HEARTSCREEN 112 CLINIC
ES ELECTROCARDIÓGRAFO DE 3/6 CANALES HEARTSCREEN 112 CLINIC
P ELETROCARDIÓGRAFO DE 3/6 CANAIS HEARTSCREEN 112 CLINIC

EN The monitor LCD 7" displays 12 ECG and 1 rhythm curve. It detects the pace-maker signal and records it. It allows to analize data and it suggests the diagnosis automatically. It analizes the rhythm too and creates statistics. The battery allows a 4-hours continuous operation in monitoring mode and 30 minutes of printing with a single charge. The device can be connected to a laser printer to print the reports on standard A4 paper.

F Affichage de 12 dérivations + 1 courbe du rythme à l'écran LCD 7". Détection et mémorisation de pace-maker. Programme d'analyse et d'aide à l'interprétation. Temps d'utilisation: 4 heures en enregistrement et 30 mn en impression. Possibilité de connexion à une imprimante laser, pour l'impression sur papier A4.

ES La pantalla LCD 7" visualiza 12 ECG más una curva del ritmo. Reconoce y registra el signal del marcapasos. Permite el análisis de los datos y sugiere un diagnóstico automaticamente. Analiza el ritmo también y crea estadísticas. La bateria funciona de manera continua por 4 horas en modo monitor, y 30 minutos imprimiendo con una sola carga. Es posible conectar el aparato a una impresora laser estándar, imprimiendo en papel A4.

P O display LCD de 7" visualiza 12 ECG e 1 curva do ritmo. Reconhece e registra o sinal de marcapassos. Permite a análise de dados e sugere automaticamente um diagnóstico. Analisa também o ritmo e faz estatísticas. A bateria funciona de maneira contínua por 4 horas em modo monitor e 30 minutos imprimindo com somente uma carga. Pode-se conectar ao aparelho uma impressora laser standard, para imprimir em papel A4.

TOUCH SCREEN

7 LANGUAGES AVAILABLE:

- ITALIAN
- ENGLISH
- FRENCH
- SPANISH
- GERMAN
- HUNGARIAN
- RUSSIAN

LTD418 3/6 CHANNEL 112 CLINIC

12 standard or Cabrera leads, simultaneous measurement
112 mm wide thermal printer, 6-channel printing
Touch-screen Alphanumeric keyboard
Mains and mobile operating mode: high-capacity battery, built-in power supply, intelligent quick charger
High memory capacity
Automatic and manual lead selection
Z-fold paper with 112x150 mm sheets
Programmable recording modes
Pulse oximeter channel (optional)
HR, SpO2 monitoring possibility, adjustable alarm values for HR and SpO2 parameters
Foil keys for main functions
Exercise ECG option
High-speed 12-channel on-line monitoring and cardiological database management program on PC

DRV1529 Paper for LTD418

Connection

Main Power

TECHNICAL FEATURES

Size and weight:	295x225x82 mm; 2,5 kg
Battery charger:	100x50x40 mm; 0,3 kg
Mains voltage:	110V,240V, 50/60 Hz
Mains power consumption:	03A/230V, 06A/110 V
Battery type:	10V min. 2000 mAh NiCd
Charge:	around 2 h
Operating type with battery:	Min.4 hours continuous operation in monitoring mode; min 30minutes printing with 2 minutes breaks every 5 minutes
Patient leakage current:	10µA
Safety class:	"I", "CF" according to IEC601-1
Defibrillator protection:	only with defibrillator protected cable
Environment requirements:	-operating temperature: +0 +40°C -storage temperature: -20 + 55° C -humidity: 20%-95% without condenses

ECG

Leads:	standard and Cabrera 12 leads
Paper speed:	10,25,50,100mm/sec ±1%
Sensitivity:	¼,1/2,1,2 cm/Mv, ±3%
Printer paper:	heat sensitive 112 mm wide, z-fold 112x150mm sheets
Printing:	thermal printer 112 mm. max resolution 16p/mm
Printing/lead selection:	3 or 6 channels form 12 leads
Printing mode:	automatic/manual
ECG printed data:	date, time and patient name
ECG measurement results:	intervals, amplitudes, electric axis, mean complexes and rhythm curve, recommended diagnosis, rhythm analysis and statistics
Digital conversion data:	A/D converter, 13 bit simultaneous
Memory capacity:	24 patients
ECG amplifier:	12 leads according to IEC and AAMI regulations
Frequency range:	0.05Hz-150Hz, +0/-3 Db
Input noise:	max 20µVpp
CMRR:	- min 100 Db
DC tolerance:	± 320 Mv DC
Input impendence:	- 50Mohm
Input signal range:	± 8 Mv

Digital Conversion

Sampling:	12 simultaneous channels, 1000Hz/Channel
A/D converter:	13-bit, input 2,5 µV bit
Pacemaker processor data:	max pacemaker power ±700m v/2ms
Pace detector operation:	min. 2Mv/0.5 ms. max 700Mv/2ms
Filters:	50/60Hz main interference filter, programmable muscle filters, digital baseline filter
Input/Output:	> RS232 isolated active serial
Recommended accessories:	10-lead patient cable with electrode set, 4-lead patient cable for rhythm analysis, USB cable
Available software:	INNOBASE for Windows database management system

Accessories included	Electrodes set, gel, paper, power cable, INNOBASE software for PC
Livré avec	Jeu d'électrodes, gel, papier, câble d'alimentation, logiciel INNOBASE
Incluye	Juego de electrodos, gel, papel, cable de alimentación, software INNOBASE para PC
Acessórios inclusos	kit de eletrodos, gel, papel, cabo de alimentação, software INNOBASE para PC

EN CARDIOLOGICAL DATABASE MANAGEMENT "INNOBASE" SOFTWARE
F LOGICIEL DATABASE MANAGEMENT CARDIOLOGIQUE "INNOBASE"
ES SISTEMA DE GESTIÓN DE LOS DATOS CARDIOLÓGICOS "INNOBASE"
P GESTÃO DA BASE DE DADOS CARDIOLÓGICA SOFTWARE "INNOBASE"

EN The software has been designed to offer most efficient help with patient related data and patient record management. For maximum security, database access is password protected. Thanks to Windows interface the program is easy to use. The ECG curves may be monitored on-line when device is PC connected. The previously stored records may be recalled any time.

F Le logiciel permet de transférer et enregistrer les données du ECG à l'ordinateur; très efficace à gérer les données des patients. Pour un haut niveau de sécurité, la base de données est protegée par un password. Programme intuitif et facile à utiliser par l'interface du Windows. Les courbes ECG peuvent être visualisées on-line si l'appareil est connecté à l'ordinateur. Rappel des ECG mémorisés.

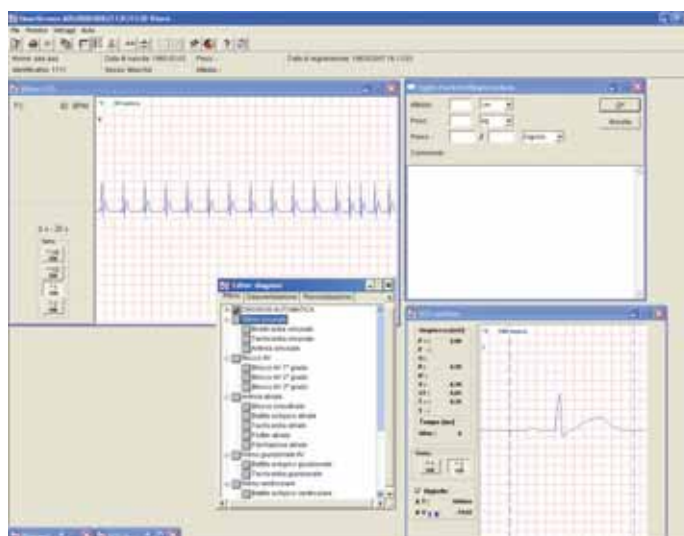
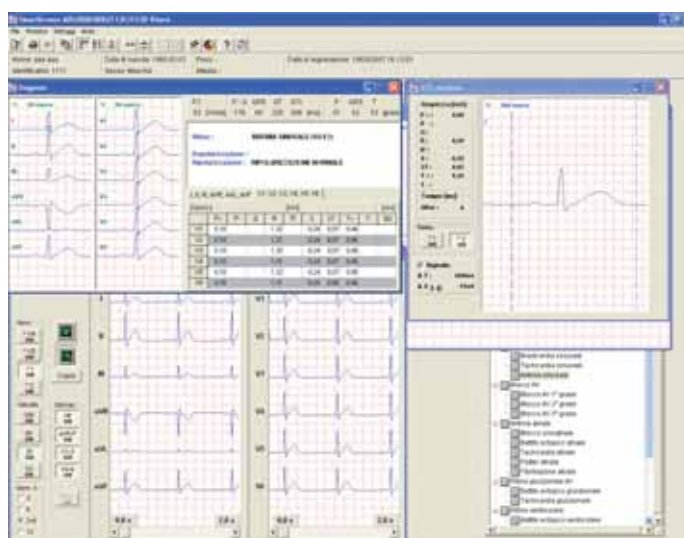
ES Este software permite de transferir y registrar los datos del ECG al ordenador. Muy eficiente para la gestión de los datos de los pacientes. Para garantizar el máximo nivel de seguridad, el acceso a los datos es protegido por un password. De fácil utilización, es un programa intuitivo gracias al interfaz de Windows. Si el aparato está conectado al ordenador, las curvas ECG se pueden visualizar online. Memoria de los ECG.

P Esse software foi elaborado para garantir a máxima eficiência na gestão dos dados dos pacientes e seus exames. Transfere e registra os dados do ECG ao computador. Para a máxima segurança, o acesso a base de dados é protegido por senha.Graças à interface do Windows, o programa è fácil de usar. As curvas ECG podem ser visualizadas online se o aparelho estiver conectado ao pc. Os ECGs memorizados no aparelho podem ser recuperados a qualquer momento.

SOFTWARE SUPPLIED WITH ALL HEARTSCREEN ECG MODELS

Various visualisation modes downloaded from the device

Online mode (directly visualized on PC monitor)

Online mode (directly visualized on PC monitor)

EN 3/6 CHANNELS ECG SE601 WITH INTERPRETATION
F ECG À 3/6 PISTES SE601 AVEC INTERPRÉTATION
ES ELECTROCARDIÓGRAFO DE 3/6 CANALES SE601 CON INTERPRETACIÓN
P ELETROCARDIÓGRAFO DE 3/6 CANAIS SE601 COM INTERPRETAÇÃO

EN These ECG have same features, but different displays: LTD440 has 3.5"(192x164mm) and LTD445S 5.7"(320x240mm); the bigger display can show up to 12 leads; big alphanumeric keyboard and a wide internal memory for data record up to 50 ECG for LTD440 and up to 100 ECG for LTD445S. Is it possible to create XML format ECG.

F IL y a deux modèles du même ECG; LTD440: avec écran 3.5"(192x164mm) et LTD445S: avec écran 5.7"(320x240mm); cet écran peut visualiser jusqu'à 12 tracés. Clavier alphanumérique. Mémoire interne jusqu'à 50 ECG (LTD440) et 100 ECG (LTD445S). Possibilité de transférer les ECG au format XML.

ES Dos versiones del mismo equipo, con pantalla distinta: 3,5"-192x164mm y 5,7" – 320x240mm, que visualiza hasta 12 curvas contemporaneamente. Teclado alfanumérico. Memorización hasta 50 ECG (LTD440) y 100 ECG (LTD445S). Posibilidad de transferir los ECG en formato XML.

P Duas versões do mesmo aparelho, com display diferentes: LTD440: 3,5"-192x164mm e LTD445S: 5,7"–320x240mm, que visualiza até 12 traçados contemporaneamente. Teclado alfanumérico. Memorização até 50 ECG (LTD440) e 100 ECG (LTD445S). Possibilidade de modificar os ECG em formato XML.

EN Accessories: Electrode set, gel, paper, power cable, instruction manual

F Livré avec: Jeu d'électrodes, gel, papier, câble d'alimentation, mode d'emploi

ES Accesorios: Juego de electrodos, gel, papel, cable de alimentación, manual de instrucciones

P Acessórios inclusos: kit de electrodos, gel, papel, cabo de alimentação, manual de instruções

LANGUAGES AVAILABLE ON REQUEST:

- ITALIAN
- ENGLISH

DRV1530 Paper for LTD440 - LTD445S

LTD440

3/6 CHANNEL ECG WITH INTERPRETATION 3,5"

Light-weight, with handle for transport
USB port for data transfer
RJ45 and RS-232 for PC data transfer
LI-ion rechargeable included battery
Single button for printing
Energy saving LCD display
Different printing modes
Complete digital filter
Automatic arrhythmia detection and record
Self measurement
SEIMP program give an accurate ECG interpretation
Cardiac variations analysis

LTD406

PC SOFTWARE FOR LTD405S/W - LTD450 - LTD455S/W - LTD440 - LTD445S (OPTIONAL)

EN Software for data transfer, storage and analysis. Possibility to print-out in A4 standard printer

F Logiciel pour transférer, stocker et analyser les données. Possibilité d'impression sur papier A4 standard

ES Software para transmitir, almacenar y analizar los datos. Posibilidad de imprimir en papel A4 estándar

P Software para transmitir, armazenar e analisar os dados. Possibilita a impressão em papel A4 standard

EN Accessories: Electrode set, gel, paper, power cable, instruction manual
F Livré avec: Jeu d'électrodes, gel, papier, câble d'alimentation, mode d'emploi
ES Accesorios: Juego de electrodos, gel, papel, cable de alimentación, manual de instrucciones
P Acessórios inclusos: kit de electrodos, gel, papel, cabo de alimentação, manual de instruções

LANGUAGES AVAILABLE ON REQUEST:

- ITALIAN
- ENGLISH

LTD445S

3/6 CHANNEL ECG WITH INTERPRETATION 5,7"

Light-weight, with handle for transport
USB port for data transfer
RJ45 and RS-232 for PC data transfer
LI-ion rechargeable included battery
Single button for printing
Energy saving LCD display
Different printing modes
Complete digital filter
Automatic arrhythmia detection and record
Self measurement
SEIMP program give an accurate ECG interpretation
Cardiac variations analysis

C0150 Aluminium trolley for ECG without cable pole, with fastening base. Specify during the order for which ECG you need the trolley.

TECHNICAL SPECIFICATIONS LTD440 - LTD445S

Safety standard:	IEC 60601-1 1988+A1+A2, EN 60601-1:1990+A1+A2, IEC/EN60601-1-2:2001+A1, IEC/EN60601-2-25, ANSI/AAMI EC-11	
Classification:	"I" class with internal alimentation	
Anti-Shock level:	CF type	
Protection against water:	Sealed device not waterproof	
Sterilising method:	Check the instruction manual	
Safety level with inflammable gas:	Device not to be used in presence of inflammable gas	
Working mode:	continuous	
EMC:	"A" type	
Dimensions:	310x322x101mm	
Weight:	2.6kg (without batteries and paper)	
Display:	LCD SNT 3,5" 192x64 pixel (LTD440) LCD SNT 5,7" 320x240 pixel (LTD445S)	
Environment temperature:	For storage and transport -20 ºC ~+55 ºC	Working +5 ºC ~+40 ºC
Humidity:	25%~93% non condensing non condensing	25%~80% non condensing during work
Atmospheric pressure:	700hPa ~1060hPa	860hPa ~1060hPa
Power:	Rated input voltage =100V~240V Rated frequency = 50/60Hz Rated input power = 70VA	
Battery:	Rated voltage = 14.8V Rated capacity = 2200mAh When the capacity of battery is full, the electrocardiograph can work normally for nearly 6 hours; about 280 ECG of 3×4+1rhy can be recorded in the Auto Mode. Necessary Charge time: 5 hours Charge mode: Constant current/voltage Charge current (standard) = 0.2C5A (320mA) Charge voltage (standard) = (16.8-0.1V) Cycle life ≥ 300 times	
Power Consumption:	70VA (max)	
Fuse :	T1AL250VP Ø5×20	
Recording:	**Recorder:** Thermal dot-matrix recorder	
Recording Paper:	Folded paper	
Paper Width:	110mm	
Effective Width:	104mm	
Paper Speed:	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s ±3%	
Accuracy of data:	±5% (x-axis), ±5%(y-axis)	
HR Recognition:	Technique: Peak-peak detection	
HR Range:	30 BPM ~300 BPM	
Accuracy:	±1BPM	
ECG Unit:	**Leads:** 12 standard	
Acquisition Mode:	simultaneously 12 leads	
A/D Resolution:	24 bits	
Time Constant:	≥3.2s	
Frequency Response:	0.05Hz ~ 150Hz (-3dB)	
Gain:	2.5, 5, 10, 20, 10/5, AGC (mm/mV)	
Input Impedance:	50M (10Hz)	
Input Circuit Current:	≤10nA	
Input Voltage Range:	<±5 mVpp	
Calibration Voltage:	1mV±2%	
DC Offset Voltage:	±600mV	
Noise:	<12.5 Vp-p	
Multichannel crosstalk:	≤0.5mm	
Filter:	AC Filter: On/Off DFT Filter: 0.05/0.15/0.25/0.5/0.32/0.67Hz EMG Filter: 25Hz/35Hz/45Hz/OFF Low-pass Filter:150Hz/100Hz/75Hz	
CMRR	≥115dB	
Sampling Frequency:	1000Hz	
Patient Leakage Current:	<10 A(AC) / <10 A(DC)	

Patient Auxiliary Current: <10 A(AC) / <10 A(DC)
Dielectric Strength: 4000V rms
External Input/Output
(Optional): Input ≥100k; Sensitivity 10mm/V±5%;
Single ended
Output ≤100 ; Sensitivity 1V/mV±5%;
Single ended

EN 3/6 CHANNELS ECG SE6 WITH INTERPRETATION
F ECG À 3/6 PISTES SE6 AVEC INTERPRÉTATION
ES ELECTROCARDIÓGRAFO DE 3/6 CANALES SE6 CON INTERPRETACIÓN
P ELETROCARDIÓGRAFO DE 3/6 CANAIS SE6 COM INTERPRETAÇÃO

EN Lightweight, with carrying handle. The 5,7" LCD display with backlight shows from 4 to 12 curves (3 ECG and 1 rhythm curve). Thanks to the backlight the user can check the curves on the display under all light conditions. Before saving the data, the user can check the quality of the ECG curves and the electrodes position. Short battery charging time. The device detects and records arrhythmia automatically.

F Léger, avec poignée de transport. Écran LCD de 5,7" avec rétro-illumination, affichage de 4 à 12 tracés (3 ECG et 1 courbe du rythme). La rétro-illumination permet la visualisation des tracés même en cas de lumière insuffisante, sans les imprimer. Possibilité de vérifier la qualité des tracés ECG et de la mise en place des électrodes avant de l'enregistrement. L'appareil reconnaît automatiquement les arythmies et les enregistre.

ES Ligero, con asa para transporte. La pantalla de 5,7" con retroiluminación visualiza de 4 hasta 12 curvas (3 ECG y 1 curva del ritmo). Gracias a la retroiluminación se pueden controlar las curvas en la pantalla bajo todas las condiciones de iluminación. Antes de registrar los datos el usuario puede verificar la calidad de las trazas ECG y el posicionamento de los electrodos. El cargador interno permite una recarga muy rápida. El aparato reconoce y registra el arritmia automaticamente.

P Leve, com alça para transporte. O display de 5,7" com retroiluminação visualiza de 4 a 12 curvas (3 ECG e 1 curva do ritmo). Graças à retroiluminação as curvas podem ser controladas no display mesmo em um ambiente com pouca luz, sem imprimir. Antes de registrar os dados o usuário pode verificar a qualidade dos traçados ECG e o posicionamento dos eletrodos. O carregador interno permite uma rápida carga. Reconhece e registra a arritmia automaticamente.

LANGUAGES AVAILABLE ON REQUEST:

- ITALIAN
- ENGLISH

CE 0123

LTD450
5,7" high resolution display
USB port for patient data transmission
RJ45 and RS232 interface for data transmission to PC
Built-in rechargeable lithium battery
Single button for printing and storage
Standby mode for saving energy and extending LCD life
Various print formats
Internal storage for up to 100 digital ECG records
ECG interpretation
Heart rate variability analysis
Optional "smart ECG viewer" software for data management on PC(LTD406)
Optional trolley (CO100)

DRV1528 Paper for LTD450

LTD406
PC SOFTWARE FOR LTD405S/W - LTD450 - LTD455S/W - LTD440 - LTD445S (OPTIONAL)

EN Software for data transfer, storage and analysis. Possibility to print-out in A4 standard printer
F Logiciel pour transférer, stocker et analyser les données. Possibilité d'impression sur papier A4 standard
ES Software para transmitir, almacenar y analizar los datos. Posibilidad de imprimir en papel A4 estándar
P Software para transmitir, armazenar e analisar os dados. Possibilita a impressão em papel A4 standard

TECHNICAL FEATURES LTD450

Circuit:	protection from defibrillation and pace maker
Lead:	standard 12 leads
Acquisition mode:	12 leads simultaneously
A/D converter:	12 bits
Input Voltage Range:	±5 Vpp
Sensitivity:	2,5-5-10,20,10/5 ACG (mm/mV)
Input Impedance:	50 Mohm (10 Hz)
Input circuit current:	< 50nA
Noise level:	< 12µ Vp-p
Anti baseline drift:	automatic
Filters:	EMG filter 25Hz/35Hz/ 45Hz/OFF
DFT filter:	0.05/0.15/0.25/0.5 Hz
Lowpass filter:	A/C 50 Hz/60Hz
CMRR:	> 110dB
Recording mode:	auto/manual/rhythmic
Rhythm lead:	single lead or 3 leads selectable
Safety:	class "I", "CF" type
Power supply:	AC100V-240V, 50-60Hz
Battery:	built-in Li-ion, 14.4V
Printer:	thermal printer
Recorder paper:	Z-fold and roller (210/216h)
Dimensions:	420x330x105mm
Display:	320x240 single colour LCD
Input:	> 100 K Mohm
Output:	< 100 Mohm
Communication interface:	RJ45(Ethernet), RS232, USB

C0150 Optional
ECG trolley

Power supply

Connections

Accessories included	Patient cable, electrodes set, gel, paper, power cable, instruction manual
Livré avec	Câble patient, jeu d'électrodes, gel, papier, câble d'alimentation, mode d'emploi
Incluye	Cable paciente, juego de electrodos, gel, papel, cable de alimentación, manual de instrucciones
Acessórios inclusos	Cabo do paciente, kit de eletrodos, gel, papel, cabo de alimentação, manual de instruções

EN 6/12 CHANNELS ECG SE12 WITH INTERPRETATION
F ECG À 6/12 PISTES SE12 AVEC INTERPRÉTATION
ES ELECTROCARDIÓGRAFO DE 6/12 CANALES SE12 CON INTERPRETACIÓN
P ELETROCARDIÓGRAFO DE 6/12 CANAIS SE12 COM INTERPRETAÇÃO

EN The SE12 is the development of the SE6, it allows to print 12 channels. It is provided with digital filters which avoids baseline drifts, AC and EMG interferences. Lightweight with carrying handle and 5,7” LCD display.

F Le SE12 est le développement du modèle SE6. Impression de 12 tracés. Filtres digitaux anti-dérapage, AC et interférence EMG. Léger, avec poignée de transport. Écran LCD de 5,7”.

ES El SE12 es el desarrollo del modelo SE6. Permite imprimir 12 canales. Tiene filtros digitales para evitar el deslizamiento a la base, AC y interferencias EMG. Ligero, con asa para transporte y pantalla LCD 5,7”.

P O SE12 é a evolução do modelo SE6. Permite imprimir 12 canais. Filtros digitais para evitar o deslizamento da linha base, AC e interferências EMG. Leve, com alça para transporte e display LCD de 5,7”.

LANGUAGES AVAILABLE ON REQUEST:

- ITALIAN
- ENGLISH

LTD455S

5,7" high resolution display - USB port for data patient transmission
RJ45 and Rs-232 port for data transmission to PC - Rechargeable Li-ion battery
Single button for sampling, analizing, printing and storage
Standby mode for saving energy and extending LCD life
Various printing formats - Automatic arrhythmia detection and recording
Internal storage up to 100 ECG records - Accurate ECG interpretation with software SEIMP - Heart rate variability analysis - Optional Smart ECG Viewer software for data management on PC (optional LTD406)

DRV1528 Paper for LTD455S

CO150 Optional ECG trolley

Accessories included	Patient cable, electrodes set, gel, paper, power cable, instruction manual
Livré avec	Câble patient, jeu d'électrodes, gel, papier, câble d'alimentation, mode d'emploi
Accesorios incluidos	Cable paciente, juego de electrodos, gel, papel, cable de alimentación, manual de instrucciones
Acessórios inclusos	Cabo do paciente, kit de eletrodos, gel, papel, cabo de alimentação, manual de instruções

LTD406

PC SOFTWARE FOR LTD405S/W - LTD450 - LTD455S/W - LTD440 - LTD445S (OPTIONAL)

EN Software for data transfer, storage and analysis. Possibility to print-out in A4 standard printer
F Logiciel pour transférer, stocker et analyser les données. Possibilité d'impression sur papier A4 standard
ES Software para transmitir, almacenar y analizar los datos. Posibilidad de imprimir en papel A4 estándar
P Software para transmitir, armazenar e analisar os dados. Possibilita a impressão em papel A4 standard

EN 6/12 CHANNELS ECG SE12 EXPRESS TOUCH SCREEN - WITH INTERPRETATION
F ECG À 6/12 PISTES SE12 EXPRESS AVEC INTERPRÉTATION À ÉCRAN TACTILE
ES ELECTROCARDIÓGRAFO DE 6/12 CANALES SE12 EXPRESS CON INTERPRETACIÓN, TOUCHSCREEN
P ELETROCARDIÓGRAFO DE 6/12 CANAIS SE12 EXPRESS COM INTERPRETAÇÃO, TOUCHSCREEN

EN The SE12-EXPRESS is the development of the SE12. Lightweight with carrying handle and 8,4" touch screen display. It is provided with digital filters which avoids baseline drifts, AC and EMG interferences. Memory up to 200 patients with curves and interpretation. Alphanumeric keyboard.

F Le SE12- EXPRESS est le développement du modèle SE12. Léger, avec poignée de transport. Écran tactile LCD de 8,4". Filtres digitaux anti-dérapage, AC et interférence EMG. Mémoire interne jusqu'à 200 patients avec tracés et interprétation. Clavier alphanumérique.

ES SE12-EXPRESS es el desarrollo del modelo SE12. Ligero, con asa para transporte y pantalla touch screen 8,4". Tiene filtros digitales para evitar el deslizamiento a la base, AC y interferencias EMG. Almacenamiento datos hasta 200 pacientes con trazas e interpretación. Teclado alfanumérico.

P O SE12-EXPRESS é a evolução do modelo SE12. Leve, com alça para transporte e display touchscreen de 8,4". Filtros digitais para evitar o deslizamento da linha base, AC e interferências EMG. Memória interna até 200 pacientes com traçados e interpretação. Teclado alfanumérico.

LANGUAGES AVAILABLE ON REQUEST:

- ITALIAN
- ENGLISH

LTD455W

8,4" high resolution display - USB port for data patient transmission -RJ45 and Rs-232 port for data transmission on PC - Rechargeable Li-ion battery - Single button sampling, analizing, printing and storage - Stand-by mode for saving energy and extending LCD life - Various printing formats - Automatic arrhythmia detection and recording - Internal storage up to 200 ECG records - Accurate ECG interpretation with software SEIMP Heart rate variability analysis - Optional Smart ECG Viewer software - for data management on PC (optional LTD406) - Optional trolley (CO100)

DRV1528 Paper for LTD455W

Accessories included	Patient cable, electrodes set, gel, paper, power cable, instruction manual
Livré avec	Câble patient, jeu d'électrodes, gel, papier, câble d'alimentation, mode d'emploi
Accesorios incluidos	Cable paciente, juego de electrodos, gel, papel, cable de alimentación, manual de instrucciones
Acessórios inclusos	Cabo do paciente, kit de eletrodos, gel, papel, cabo de alimentação, manual de instruções

TECHNICAL FEATURES SE12 AND SE12 EXPRESS LTD455S-LTD455W

Circuit:	protection from defibrillation and pace maker
Lead:	standard 12 leads
Acquisition mode:	12 leads simultaneously
A/D converter:	12 bits
Input Voltage Range:	±5 Vpp
Time constant:	> 3,2s
Frequency range:	0,05Hz-150Hz
Calibration voltage:	1mV± 2%
Sensitivity:	2,5-5-10,20,10/5 ACG (mm/mV)
Input Impedance:	50 Mohm (10 Hz)
Noise level:	< 12µ Vp-p
Anti Baseline Drift:	automatic
Filters:	EMG filter 25Hz/35Hz/ 45Hz/OFF DFT 0.05/0.15/0.25/0.5 Hz Low pass filter 150Hz/100Hz/75Hz AC 50 Hz/60Hz
CMRR:	> 110dB
Recording mode:	Auto/manual/rhythmic
Rhythm lead:	single lead or 3 leads selectable
Safety:	class "I", "CF" type
Power supply:	AC100V-240V, 50-60Hz
Battery SE12:	built-in Li-ion, 14.4V
Battery SE12 EXPRESS:	built-in Li-ion, 14.4V
Printer:	integrated thermal printer
Paper:	Z-fold and roller (mm210/216h)
Dimensions:	420x330x120mm
Display SE12:	320 x240 single colour LCD
Display SE12 EXPRESS:	800x600 multicolour LCD
Memory SE12:	100 patients
Memory SE12 EXPRESS:	200 patients
Input:	> 100 K Mohm
Output:	< 100 Mohm
Communication interface:	RJ45(Ethernet), RS232, USB

EN TONO TRACK- HOLTER BLOOD PRESSURE MONITOR
F HOLTER TENSIONNEL TONO TRACK
ES HOLTER DE PRESIÓN TONO TRACK
P HOLTER DE PRESSÃO ARTERIAL TONO TRACK

EN TONO TRACK monitors and records blood pressure and pulse values for 24-28 hours. The user can create a plan of measurements and memorization of the intervals during night and day. The software allows to show, save, recall and modify the recorded data. Examinations can be commented in a text editor. Software included.

F TONO TRACK permet le monitorage et l'enregistrement de la pression artérielle et pouls sur 24-28 h. Le patient peut faire un plan de mesures et de mémorisation des intervalles pendant le jour et la nuit. Le logiciel permet l'affichage, la mémorisation et le rappel des données. Possibilité d'insertion de commentaires dans un éditeur de texte. Logiciel inclus.

ES TONO TRACK permite monitorizar y registrar la presión arterial y pulso durante de 24-28 horas. El usuario puede organizar un plan de mediciones y de memorización de los intervalos durante del día y de la noche. El software enseña, registra, almacena y permite modificar los datos, que el usuario puede comentar en un text editor. Software incluido.

P TONO TRACK consente monitorar e registrar a pressão arterial e pulsação durante 24-28 horas. O usuário pode planificar as medições e a memorização de intervalos durante o dia e a noite. O software mostra, registra, armazena e permite modificar os dados, que o usuário pode comentar em um editor de texto. Software incluído.

LTD200
TONO TRACK
Ambulatory blood pressure monitor
24-28 hours measurements
Resistance against artefacts
Oscillometric technique
Easy operation
Silent running

TECHNICAL FEATURES

Measurement technique:	oscillometric with step deflation
Measurement range:	25-260mmHg (max inflation 280 mmHg)
Statistical accuracy:	+/- 3mmHg
Power source:	3V DC, 2pcs 1,5 "AA" alkaline batteries or rechargeable NiMH
Dimensions:	120x80x32 mm(without cables)
Weight:	350 gr (including batteries)
Cuffs included:	adult (23-33cm), large (31-40cm)
Operation system requirements:	MS win 98/XP

EN I-PAD DEFIBRILLATOR
F DÉFIBRILLATEUR I-PAD
ES DESFIBRILADOR I-PAD
P DESFIBRILADOR I-PAD

EN Easy to use, with LED indicators, automatic self test, truncated exponential shock waveform.

F Facile à utiliser, indicateur à LED, autotest automatique, onde biphasique exponentielle tronquée.

ES De fácil utilización, con indicador de estado LED, auto-test automático, forma de onda bifásica exponencial truncada.

P Fácil de utilizar, com indicadores LED, auto-teste automático, forma de onda bifásica exponencial truncada

LTD705
I-PAD DEFIBRILLATOR
CARRYING BAG INCLUDED

Not Rechargeable Battery LiMnO2

Mode Led

Info Button

LTR287
Spare adult pads (pair)
LTR287P
Spare pediatric pads (pair) **optional**
LTR292
Spare battery (LI-ION)

I-PAD
Intelligent Public Access Defibrillator

Shock Button

Guide

Infrared Port

TECHNICAL SPECIFICATIONS

Easy to use thanks to info showed on the main display;
Charging and working environmental requirements
Temperature: 0°-40°C
Humidity: 5%-90% not condensed
Size: 82mm x 220 mm x 281 mm
Weight: 2.2 kg with battery pack installed
Operating Mode: semi-automated
Waveform: e-cube biphasic (Truncated exponential type) impedance compensated
Energy: 200 Joules nominal into a 50Ω load
Shock Energy Accuracy: Within ±3% (150J into 50Ω)
Charge Control: Automatic by Software
(Arrhythmia Detection System and Charging Control)
Charge time from "Shock Advised": < 14 seconds, typical
Shock to Shock cycle time: < 15 seconds, typical, including analysis
Battery Type: 12 Volt DC, 4,2 Ah, lithium manganese dioxide, disposable long-life primary cell
Capacity: Minimum 200 shocks or 4 hours of operating time.
Temperature: -40 °C to 60 °C
Defibrillator Pads: (CUA0512F)
Type self-adhesive, disposable, non-polarized defibrillation pads
Adult Pads: Defibrillation pads for patients 8 years of age and older or 55 lbs. (25 kg) and over.
Surface Area: Adult, 110cm 2 each
Cable Length: 1,5m

EN CU-ER 1 AUTOMATIC EXTERNAL DEFIBRILLATOR
F DÉFIBRILLATEUR AUTOMATISÉ EXTERNE CU-ER 1
ES DESFIBRILADOR EXTERNO AUTOMÁTICO CU-ER 1
P CARDIODESFIBRILADOR EXTERNO AUTOMÁTICO CU-ER 1

LTD700
RESCUE 1 AUTOMATIC EXTERNAL DEFIBRILLATOR CARRYING BAG INCLUDED

LTR286
Spare Pads (pair)

LTR286P
Spare pediatric pads (pair) optional

LTR289
Software-Data management for LTD700/LTD710

LTR290
ECG cable - 3 leads

LTR291
Spare battery (LI-ION)

LANGUAGES AVAILABLE ON REQUEST:

- ITALIAN
- ENGLISH
- FRENCH
- SPANISH
- GERMAN
- PORTUGUESE

TECHNICAL FEATURES FOR LTD700

ECG Monitor
Patient connection: Defibrillation Pads, ECG Electrodes
Bandwidth: 0.30 to 40 Hz (-3 dB)
EMS Mode: 1~30 Hz Heart rate. Digital 30 to 300 bpm (±2%)

ECG size
10mm/mV display on monitor (auto-scaling)
Cardiac frequency: digital from 30 to 300 bpm(+/-2%)

Defibrillator
Operating mode: Semi Automatic
Waveform: e~cube Biphasic (BTE type)

Energy
150J into a 50‡ load (default setting) and pre-programmed selection (150J-150J-150J,150J-150J-180J, 150J-180J-180J)
AED mode: 150J into a 50hom load
Synchronous Cardioversion: Energy deliver begins within 60ms of the QRS peak
Charging time: Less than 10 seconds
Sensitivity & Specificity: Meets AAMI guidelines
Detection Level: > 0.1 mV ECG
Defibrillation Electrodes: Multifunctional electrodes (Disposable), Adult adhesive pads (Pre-gelled)

Voice and Text Prompts
Voice and text prompts guide
User interfaces are supported in local language for easy use

Data Storage Management
Internal flash memory: 12 hours of event and ECG recording
SmartMedia Card (32M): 48h of event and ECG recording
1h if voice recording is enable
Review the patient's ECG, incident details and the device information
Transmit multi patient data to PC

Automatic Self-Test
Power On Self-Test / Run Time Self-Test / Manual Test
Periodic Self-Tests (daily / weekly / monthly)

Display
Screen Type: High resolution display (Graphic LCD)
Screen size: 4 inches (10.16 cm) diagonal, 320x240 pixels
Sweep speed: 25mm/sec, nominal
Viewing time: 3.2 seconds

Dimensions and Weight
Size: 305 mm x 250 mm x 95 mm (LxWxH)
Weight: Approximately 2.8 Kg

Patient Isolation
Type BF
AC Adapter
Input: 100~240V AC 50/60Hz 1.2A
Output: +12V DC, 3.5A

Battery Pack
12V Nickel-Metal Hydride battery pack (Rechargeable)
Charging time: Minimum of 4 hours for full charging
Capacity: when new, minimum of 200 shock deliveries

External Link
UART port-IrDA port (infra-red)

Package Contents
Device, 2 Sets of Pads, 1 Power Cord, 1 AC Adapter, 1 long life NI-MH battery, 1 Operator's Manual, 1 Quick Reference Card

EN CU-ER 2 AUTOMATIC - MANUAL
F AUTOMATISÉ - MANUEL CU-ER 2
ES AUTOMÁTICO - MANUAL CU-ER 2
P AUTOMÁTICO - MANUAL CU-ER 2

LTD710
RESCUE 2 AUTOMATIC MANUAL EXTERNAL DEFIBRILLATOR CARRYING BAG INCLUDED

LANGUAGES AVAILABLE ON REQUEST:

- ITALIAN
- ENGLISH
- FRENCH
- SPANISH
- GERMAN
- PORTUGUESE

LTR286
Spare Pads (pair)

LTR286P
Spare pediatric pads (pair) optional

LTR289
Software-Data management for LTD700/LTD710

LTR290
ECG cable - 3 leads

LTR291
Spare battery (LI-ION)

TECHNICAL FEATURES FOR LTD710

ECG Monitor
Patient connection: Defibrillation Pads, ECG Electrodes
Bandwidth: 0.30 to 40 Hz (-3 dB)
EMS Mode: 1~30 Hz Heart rate. Digital 30 to 300 bpm (±2%)

ECG size
10mm/mV display on monitor (auto-scaling)
Cardiac frequency: digital from 30 to 300 bpm(+/-2%)

Defibrillator
Operating mode: Manual / Semi Automatic
Waveform: e~cube Biphasic (BTE type)

Energy
Variable energy levels selection (12 steps escalating)
(2, 3, 5, 7, 10, 20, 30, 50, 70, 100, 150, 200)J
AED mode: 150J into a 50hom load
Synchronous Cardioversion: Energy deliver begins within 60ms of the QRS peak
Charging time: Less than 10 seconds
Sensitivity & Specificity: Meets AAMI guidelines
Detection Level: > 0.1 mV ECG
Defibrillation Electrodes: Multifunctional electrodes (Disposable), Adult adhesive pads (Pre-gelled)

Voice and Text Prompts
Voice and text prompts guide
User interfaces are supported in local language for easy use

Data Storage Management
Internal flash memory: 12 hours of event and ECG recording
SmartMedia Card (32M): 48h of event and ECG recording
1h if voice recording is enable
Review the patient's ECG, incident details and the device information
Transmit multi patient data to PC

Automatic Self-Test
Power On Self-Test / Run Time Self-Test / Manual Test
Periodic Self-Tests (daily / weekly / monthly)

Display
Screen Type: High resolution display (Graphic LCD)
Screen size: 4 inches (10.16 cm) diagonal, 320x240 pixels
Sweep speed: 25mm/sec, nominal
Viewing time: 3.2 seconds

Dimensions and Weight
Size: 305 mm x 250 mm x 95 mm (LxWxH)
Weight: Approximately 2.8 Kg

Patient Isolation
Type BF
AC Adapter
Input: 100~240V AC 50/60Hz 1.2A
Output: +12V DC, 3.5A

Battery Pack
12V Nickel-Metal Hydride battery pack (Rechargeable)
Charging time: Minimum of 4 hours for full charging
Capacity: when new, minimum of 200 shock deliveries

External Link
UART port-IrDA port (infra-red)

Package Contents
Device, 2 Sets of Pads, 1 Power Cord, 1 AC Adapter,
1 long life NI-MH battery, 1 Operator's Manual,
1 Quick Reference Card

EN CU-HD1 AED DEFIBRILLATOR
F DÉFIBRILLATEUR AED CU-HD1
ES DESFIBRILADOR AED CU-HD1
P DESFIBRILADOR AED CU-HD1

EN This product is intended for hospital use, with manual and automatic modes. It can be used with external and internal pads, it has a transcutaneous pacer for patients with low heart rate. The memory card can store important data to transfer on PC. Internal printer for ECG view. To be used by qualified personnel only.

F Idéal pour l'utilization dans les hôpitaux. Défibrillateur automatique AED et mode manuel. Eléctrodes à usage unique et électrodes externes et internes pour la défibrillation. Pacemaker transcutané, écran avec affichage SpO2 et ECG à 12 tracés. Carte mémoire et imprimante intégrées. Réservé à un usage exclusivement professionnel.

ES Desfibrilador para uso hospitalario, automático externo con función manual también. Parches desechables y electrodos internos y externos para desfibrilación. Marcapasos transcutáneo, pantalla SpO2 y ECG 12 canales. Ficha memoria y impresora incluida. Tiene que ser manejado por personal médico.

P Desfibrilador para uso hospitalar. Automático externo e modo manual. Eletrodos descartáveis e eletrodos internos e externos para desfibrilação. Marca passo transcutâneo, tela com configuração de SpO2 e ECG de 12 traçados. Cartão de memória e impressora integrados. Deve ser utilizado somente por médicos ou operadores profissionais.

mm318x208x355h
Weight: 5kg with pads

LTD740
CU-HD1 DEFIBRILLATOR WITH
3 LEAD ECG
- Adult/child defibrillation pads
- ECG cable with 3 leads
- Disposable pad adapter
- In-built printer

LTD742
CU-HD1 DEFIBRILLATOR WITH
3 LEAD ECG + SPO2 + PACER
- Adult/child defibrillation pads
- ECG cable with 3 leads
- Disposable pad adapter
- In-built printer
- SpO2
- Pacer

LTD744
CU-HD1 DEFIBRILLATOR WITH
12 LEAD ECG + SPO2 + PACER
- Adult/child defibrillation pads
- ECG cable with 3 leads
- Disposable pad adapter
- In-built printer
- SpO2
- Pacer
- 12 lead ECG

TECHNICAL FEATURES LTD740-742-744

Display:
- LCD Dimension: 152mm * 91mm
- Type TFT Color
- Resolution: 800 * 480 pixels

Defibrillation:
- Waveform Truncated Exponential Biphasic (e~cube)
- Charge Time: Adapter : Less than 5 seconds to 200Joules
- Battery : Less than 7 seconds to 200Joules

AED Mode:
- 12 leads simultaneously
- Output Energy: 200J
- Shock Delivery: Via multifunction defib electrode pads
- AED Develop Guideline: AAMI DF-80 guidelines
- Voice & Text Prompt: Guide the user through the protocol via multifunction defibrillator electrode pads
- Manual Mode
- Output Energy(Selected) 1~10J, 15J, 20J, 30J, 40J, 50J, 100J, 120J, 150J, 170J, 200J
- Shock Delivery: External Paddle (with Pediatric) / Internal Paddle
- Synchronous Cardioversion

Printer:
- Continuous ECG Strip: Real-Time (8 seconds delay)
- Auto Printing: Recorder can be configured to print marked event, charge, shock And alarms
- Printing Speed: 25mm/s

Paper:
50mm Width / 40mm Diameters

Automatic Self-Test:
- Power on Self-Test
- Run Time Self-Test
- Manual Self-Test
- Periodic Self-Test(Daily/Weekly/Monthly)

Power Source:
- External Battery Pack : Lithium Polymer
- Type: 14.8V 3.1Ah (Rechargeable)
- Capacity: When new, minimum of 100shock deliveries (200J)
- Output: 18V, 6A

Noninvasive Pacing:
- Waveform: Monophasic Truncated Exponential
- Mode: Demand and Fixed Mode
- Amplitude Accuracy: 0 ~ 200mA (5mA)
- Pulse Width: 20ms(1.5%)
- Pulse Rate: 30 ~ 180ppm (1.5%)
- Refractory Period: 340 msec (30 to 80 ppm)
- 240 msec (90 to 180 ppm)

SpO2 Pulse Oximetry:
- Saturation: 70 ~ 100%(3digits)
- Pulse Rate: 20 ~ 250bpm(3bpm)
- Perfusion: 0.2%
- Module Manufacturer: Nellcor
- SpO2 Alarm

NIBP:
- Type: adult, pediatric, Neonate
- Method: Oscillometric
- Control: automatic and manual measurements
- Visualized pressures: Systolic, Diastolic, Mean mmHg

Data Storage:
External memory card

ECG Monitoring:
- Input: 3-Lead Cable : I, II, III
- 5-Lead Cable : I, II, III, aVR, aVL, aVF or V
- 10-Lead Cable : I, II, III, aVR, aVL, aVF or V1, V2, V3, V4, V5, V6
- (Display View:All 12-Lead ECG waves display simultaneously
- Heart Rate Display: 30 to 300 bpm (3bpm)
- ECG Size: 5, 10, 20mm/mV and Auto-gain
- Heart Rate/Arrhythmia Alarm: HR, Asystole, VF, VT

EN VITAL SIGN MONITORS- 5,7" DISPLAY
F MONITEURS DE SIGNES VITAUX- ÉCRAN 5,7"
ES MONITORES SIGNOS VITALES- PANTALLA 5,7"
P MONITORES DE SINAIS VITAIS- DISPLAY 5,7"

EN Created to be used in hospital and at home, with 5,7" LCD display with backlight. Graphic or alphanumeric display, wide internal memory that can record 72 hours, 5 hours for SpO2, 2,5 hours for SpO2 + CO2. 30.000 NIBP measurements and 800 alarms ca be visualized. Printer is optional.

F Idéal pour l'utilization dans les hôpitaux et à la maison. Écran LCD de 5,7" avec contrôle de la rétro-illumination. Écran numérique ou graphique. Mémoire jusqu'à 72h, 5h pour la courbe SpO2 et 2,5h pour la courbe SpO2+CO2. Affichage de 30.000 mesures NIBP et 800 alarmes. Imprimante en option.

ES Apto para la utilización en hospitales y también en el domicilio del paciente. Pantalla LCD de 5,7" con control de la retro-iluminación. Pantalla numérica o gráfica. Memoria de 72 horas, 5 horas por la curva SpO2, 2,5 horas por la curva SpO2+CO2. Se pueden visualizar 30.000 mediciones NIBP y 800 alarmas. Impresora opcional.

P Próprio para o uso hospitalar e domiciliar. Display LCD de 5,7" com controle da retroiluminação. Display numérico ou gráfico. Memória de 72 horas, 5 horas para a curva SpO2 e 2,5 horas para a curva SpO2+CO2. Visualização de 30.000 medições NIBP e 800 alarmes. Impressora opcional.

LANGUAGES AVAILABLE ON REQUEST:

- ITALIAN
- ENGLISH
- SPANISH
- FRENCH
- GERMAN
- POLISH
- CHINESE
- RUSSIAN

CE 0123

LTD321
- M3 vital sign monitor with SpO2
- It shows values and plethysmographic wave
- 5,7" monochrome display
- Internal battery
- Adjustable alarms
- Adjustable backlight
- For adult, children and newborn
- Wide internal memory
- Graphic or table mode data visualization
- Real-time graphic printing

LTD322
- M3 vital sign monitor with NIBP
- It shows values and plethysmographic wave
- 5,7" monochrome display
- Internal battery
- Adjustable alarms
- Adjustable backlight
- For adult, children and newborn
- Wide internal memory
- Graphic or table mode data visualization
- Real-time graphic printing

LTD323
- M3 vital sign monitor with SpO2+ NIBP
- It shows values and plethysmographic wave
- 5,7" monochrome display
- Internal battery
- Adjustable alarms
- Adjustable backlight
- For adult, children and newborn
- Wide internal memory
- Graphic or table mode data visualization
- Real-time graphic printing

LTD324
- M3 vital sign monitor with SpO2+ ETCO2
- It shows values and plethysmographic wave
- 5,7" monochrome display
- Internal battery
- Adjustable alarms
- Adjustable backlight
- For adult, children and newborn
- Wide internal memory
- Graphic or table mode data visualization
- Real-time graphic printing

LDR330
Printer for patient monitor (LTD330 LTD335) and for vital signs monitors (LTD321-322-323-324).

TECHNICAL FEATURES

Safety Class:	"I"
EMC type:	Class A
Anti-electroshock degree:	SpO2, NIBP, BF Defibrillation type
Ingress Protection:	IPX0
Size:	173.5 (L) × 241 (H) × 189 (D) mm
Weight:	3 kg

WORKING CONDITIONS

Working Temperature:	5 ~ 40 °C
Power Supply:	100 ~ 240 VAC, 50/60Hz, Pmax = 45VA FUSE T 1.6AL
Display :	5.7 inches LCD, Resolution 320×240 Risoluzione 320×240, LED retroilluminazione
Messages:	1 Power Supply Indicator LED (Green) 1 Power On Indicator LED (Green) 1 Alarm Indicator LED (Orange/ Red) 1 Charge Indicator LED (Yellow) 1 Alarm Sound Indicator LED (Backlight) 1 NIBP Working Status Indicator LED (Backlight) 3 Sound Modes correspond to Alarm Mode

C0150
Trolley (optional)

BATTERY

Quantity	1
Type	Li battery
Power-off delay	5 ~ 15min (After the low battery alarm)
Voltage	14.8 VDC
Capacitance	4, 400 mAh
Working period	600min (at 25?, continuous SpO2 measuring, NIBP automatic measuring mode, automatic recording per 10min)
Rechargeable period	< 300min

PRINTER

Record Width	48 mm
Paper Speed	25mm/s
Recording types	Current displayed parameter list recording Current displayed alarm list recording Real-time 8s waveform recording
Trend List Recall	72 hours, 1 minute Resolution
NIBP Measurement Recall	30, 000 NIBP measurement data
Alarm List Recall	800 groups

NIBP

Method	Oscillometric
Mode	Manual, Auto, Continuous

MEASURING INTERNAL

Measuring Interval in AUTO Mode	1/2/3/4/5/10/15/30/60/90/120/240/480 min
Continuous	5min, interval is 5s
Measuring Type	Systolic Pressure, Diastolic Pressure, Mean Pressure

MEASURING RANGE

Adult Mode	SYS	40~270mmHg
	DIA	10~215mmHg
	MAP	20~235mmHg
Pediatric Mode	SYS	40~200mmHg
	DIA	10~150mmHg
	MAP	20~165mmHg
Neonatal Mode	SYS	40~135mmHg
	DIA	10~100mmHg
	MAP	20~110mmHg

PULSE RATE

Cuff Pressure measuring Range	0 ~ 290mmHg	
Pressure Resolution	1mmHg	
Maximum mean error	5 mmHg	
Maximum Standard deviation	8 mmHg	
Entire Measuring Period	30 ~ 45s typical (depend on HR/motion disturbance)	
Overpressure protection	Dual overpressure protection	
	Adult	297±3mmHg
	Pediatric	240±3mmHg
	Neonatal	145±3mmHg

SpO2

Measuring Range	0 ~ 100 %
Alarm Range	0 ~ 100 %
Resolution	1 %
Accuratezza	
Accuracy	
Adult (including Pediatric)	±2 digits (70%~100% SpO2) Undefined (0~70% SpO2)
Neonate	±3 digits (70%~100% SpO2) Undefined (0~70% SpO2)

PULSE RATE

Measuring and Alarm Range	20 ~ 254 bpm
Resolution	1 bpm
Accuracy	± 3bpm Under Motion Condition, ±5 bpm
Data update period	2s
Anti-motion Interference	Strong Anti-motion Interference, Anti-electrotome

MULTIPARAMETER PATIENT MONITOR - PRINTER OPTIONAL
MONITEUR MULTIPARAMÉTRIQUE - IMPRIMANTE EN OPTION
MONITOR MULTIPARÁMETROS – IMPRESORA OPCIONAL
MONITOR PACIENTE – IMPRESSORA OPCIONAL

EN ECG, SPO2, RESP, NIBP, 2-TEMP, PR can be visualized. Many different kinds of visualization. Only 6 keys for main functions (ECG, FREEZE, SILENT ALARM, PRINTING, START PRESSURE MEASUREMENT, MENU). The printer is optional but since it's built-in, it's easy to carry. Monitor created for adult, children and newborn. 7 leads ECG analysis. Arrhythmia and ST-segment analysis. 96 record hours for all the values, 500 NIBP measurement and 60 alarms. Pacemaker detection and possibility to adjust display colours and alarm values. With handle for transport.

F Visualisation de ECG, SPO2, NIBP, RESP, 2-TEMP, PR. Possibilité de sélectionner différentes visualisations. Seulement 6 touches pour les fonctions principales (ECG, FREEZE, ALARME SILENCIEUSE, IMPRIMANTE, NIBP, et MENU). Imprimante intégrée en option. Utilisable sur adultes, enfants et nourrissons. Analyse de ECG à 7 tracés. Analyse d'arythmie et segment S-T. 96h de mémoire de tous les valeurs, 500 mesures NIBP et 60 événements alarme. Possibilité de sélectionner la détection du pacemaker, les différents niveaux d'alarme et les couleurs de l'écran. Poignée pour faciliter le transport.

ES Visualización de ECG, SPO2, RESP, NIBP, 2-TEMP, PR. Posibilidad de elegir entre distintas visualizaciones. Sólo 6 teclas para las funciones principales (ECG, FREEZE, ALARMA SILENCIOSA, IMPRESORA, MEDIDA DE LA PRESIÓN, MENÚ). Impresora opcional pero que se incorpora al equipo facilitando el transporte. Apto para adultos, niños y neonatos. Análisis de ECG a 7 trazas. Análisis de arritmia y segmentos ST. 96 horas de memoria de todos los valores, 500 medidas NIBP y 60 eventos de alarmas. Posibilidad de seleccionar la detección del marcapasos, los valores de alarma y los colores de la pantalla. Asa para transporte.

P Visualização de ECG, SPO2, RESP, NIBP, 2-TEMP, PR. Diversas visualizações possíveis. Somente 6 teclas para as principais funções (ECG, FREEZE, ALARME SILENCIOSO, IMPRESSORA, NIBP, MENU). Impressora integrada opcional. Para adultos, crianças e recém-nascidos. Análises de ECG à 7 traçados. Análises de arritmia e segmentos ST. 96 horas de memorização de todos os valores, 500 medições NIBP e 60 eventos de alarme. Possibilidade de selecionar a detecção de marcapassos, os níveis de alarme e as cores do display. Cômoda alça para facilitar o transporte.

CE 0123

LANGUAGES AVAILABLE ON REQUEST:

- ITALIAN - ENGLISH - SPANISH
- FRENCH - PORTUGUESE - GERMAN
- POLISH - CHINESE - TURKISH

LTD330
LCD 10,2''

LTD335
LCD 12,1''

LDR330
PRINTER FOR DIMED PATIENT MONITORS LTD330-335. PLACED ON THE LEFT SIDE OF THE MONITOR, IT'S BUILT-IN

Accessories included 1 patient cable, 5 derivations - 1 skin temperature probe - 1 adult blood pressure cuff - 1 adult sensor for oximeter - 1 instruction manual – 1 ground connection cable – 1 power cable – 1 battery

Livré avec Câble patient à 5 dérivations-1 sonde de température-1 brassard adulte pour la pression - 1 capteur oxymètre adulte- mode d'emploi- 1 câble de terre-1 câble d'alimentation- 1 batterie

Accesorios incluidos 1 cable paciente - 5 derivaciones- 1 sonda de temperatura de la piel- 1 brazalete para presión adultos- 1 sensor de oxímetro adultos- 1 manual de instrucciones – 1 cable tierra – 1 cable de alimentación – 1 batería

Acessórios inclusos 1 cabo do paciente à 5 derivações- 1 sonda de temperatura da pele- 1 braça deira de pressão adulto- 1 sensor de oxímetro adulto- manual de instruções- 1 cabo terra – 1 cabo de alimentação- 1 bateria

TECHNICAL FEATURES

CLASSIFICATION

Anti-electroshock type: Class IBF equipment and internal powered equipment

EMC type: Class A

Anti-electroshock degree: ECG (RESP), TEMP, IBP, CO CF
SpO2, NIBP, CO2, GAS BF

Ingress Protection: IPX1

Weight: 5 kg

Size: 320x150x265mm

DISPLAY

Display screen: 10.4/12.1 inch, Multicolour TFT LCD,
Resolution 800×600, 1 LED

Messages: 11 Waveforms Maximum
1 Power LED (Green)
1 Alarm LED (Yellow/Red)
1 Charge LED (Yellow)
3 Sound Mode corresponding Alarm Mode

BATTERY

Quantity: 1

Type: Li battery

Power-off delay: 5 ~ 15min

Voltage: 14.8 VDC

Capacitance: 2 Ah, 4Ah (optional)

Working period:
2Ah 80min
4Ah 180min
(At 25, continuous SpO2 measuring mode
and NIBP automatic measuring mode)

Rechargeable period:
2Ah 150min
4Ah 360min
(Monitor is On or at Standby mode.)

RECORDER (Optional)

Record Width: 48 mm

Paper Speed: 25mm/S, 50mm/S

Trace: 3

Recording types: Continuous real-time recording
8 second real-time recording
Auto 8 second recording
Parameter alarm recording
Drug Calculation and titration table recording

ECG:

Lead Mode: 5 Leads (R, L, F, N, C or RA, LA, LL, RL, V)

Lead selection: 5 Leads: 2of I, II, III, AVR, AVL, AVF, V, drive lead is RL

Waveform: 5 Leads: 2 channel:

Analogic channel setup: 12 bits, 500Hz,

4 selectable plus: ×0.25, ×0.5, ×1, ×2 cm/mV

Pacing rate higher limit: >320 mV/s (RTI)

PACING REJECTION
(HR report has no error)

Impulse amplitude: ±2 ~ ±700 mV

Impulse width: 0.1 ~ 2.0 ms

Ascending time 10µs ~ 100µs less than 10 of pulse width

NIBP

SpO2

Measuring Range: 0 ~ 100 %

Alarm Range: 0 ~ 100 %

Resolution: 1 %

ACCURACY:

Adult (including Pediatric): ±2 digits (70%~100% SpO2)
Undefined (0~70% SpO2)

Neonate: ±3 digits (70%~100% SpO2)
Undefined (0~70% SpO2)

PULSE RATE

Measuring and Alarm Range: 30 ~ 254 bpm

Resolution: 1 bpm

Accuracy: ± 3bpm
Under Motion Condition, ±5 bpm

TEMP

Channel: 2

Measuring Range: 0 ~ 50 °C

Sensor type: YSI (B series) and CF-FI

Resolution: 0.1°C

Accuracy: ±0.1°C (25 ~ 45 °C)

IBP

Channel: 2

Label:
ART, PA, CVP, RAP, LAP, ICP, P1, P2

Pressure Sensor:

Sensitivity: 5 (µV/V/mmHg)

Impedance 300 ~ 3000 (Ohm)

Static Pressure Measuring Range:
-50 ~ +300 mmHg up to 350 mmHg

Static Pressure Accuracy:
±2 % or 1mmHg which bigger

Dynamical Pressure Measuring Range:
-50 ~ +300 mmHg

Dynamical Pressure Accuracy:
±2 % or 1mmHg which bigger

Frequency Response:
d.c. ~ 15 Hz, d.c. ~ 40 Hz

MEASURING AND ALARM RANGE:

ART: 0 ~ 300 (mmHg)

PA: 6 ~ 120 (mmHg)

CVP/RAP/LAP/ICP: -10 ~ 40 (mmHg)

P1/P2: -50 ~ 300 (mmHg)

Resolution: 1 (mmHg)

PRINTER VIEW

LATERAL SIDE VIEW

BACK VIEW

EN PATIENT MONITOR SPARE PARTS FOR LTD330/335
F PIÈCES DE RECHANGE POUR MONITEURS LTD330/335
ES REPUESTOS PARA MONITOR LTD330/335
P PEÇAS DE REPOSIÇÃO PARA MONITOR PACIENTE LTD330/335

LDR334
Adapter for SpO2 sensors, 1,5m

LDR335
Rectal temperature sensor

LDR336
Skin temperature sensor

LDR342
Adult NIBP Cuff 33-47cm

LDR343
Adult NIBP Cuff 25-35cm

LDR344
Pediatric NIBP Cuff 18-26cm

LDR345
Infant NIBP Cuff 10-19cm

LDR340
Spare NIBP tube

LDR348
Spare battery 14,8V 4Ah

LDR349
Spare battery 14,8V 2Ah

Patient monitor sensors are compatible with Dimed oximeter LTD822 sensors, with adapter LDR334

EN SPARE PAPER ROLLS
F PAPIERS DE RECHANGE
ES ROLLOS DE PAPEL
P BOBINA DE PAPEL DE REPOSIÇÃO

DRV1520 h50mm x 30 m (Ø 49mm)
Paper for ECG LTD400 1 pc

DRV1521 h80mm x 30 m (Ø 50mm)
Paper for ECG LTD405S/ LTD405W 1 pc

DRV1522 h59mm x 25 m (Ø 45mm)
Paper for ECG LTD410 1 pc

DRV1523 h80mm x 25 m (Ø 45mm)
Paper for ECG LTD415 1 pc

DRV1524 h112mm x 30 m (Ø 50mm)
Paper for ECG LTD420 1 pc

DRV1525 h40mm x 20 m (Ø 45mm)
Paper for patient monitor LTD300/310/320/330/335/ LTD830S 1 pc

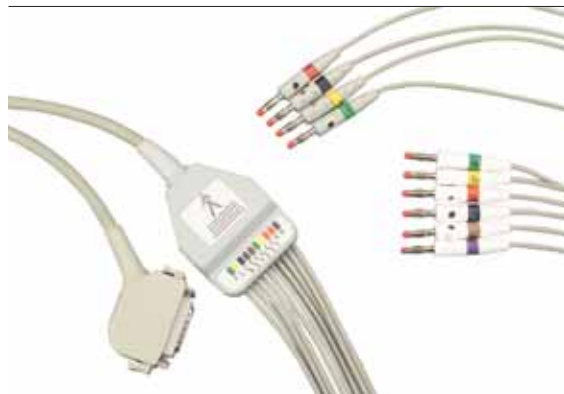
DRV1526 h112mm
Paper for fetal monitor LTD550/560/570 1 pc

DRV1527 h50mm x 20 m (Ø 49mm)
Paper for printer UP897 SONY 1 pc

DRV1528 h210mm x 20 m (Ø 45mm)
Paper for LTD450/455S/455W 1 pc

DRV1529 h112mm
Paper for LTD418

DRV1530 h110mm
Paper for LTD440/445S

ECG CABLE

DRV2083/H
PATIENT CABLE FOR ECG DIMED HEARTSCREEN

DRV2083/P
PATIENT CABLE FOR ECG DIMED PRO

DRV2083/C
PATIENT CABLE FOR ECG PROGETTI

EN PERIPHERAL CLAMP ELECTRODES FOR E.C.G.
F ÉLECTRODES DE SURFACE À PINCE POUR ECG
ES ELÉCTRODOS EXTREMIDADES TIPO PINZA PARA E.C.G
P ELETRODOS PERIFÉRICOS TIPO PINÇA PARA E.C.G

DRV170
"Ag/AgCl" electrode-adults
universal connection - 4 pcs

DRV171
"Ag/AgCl" electrode-pediatric universal
connection- 4 pcs

EN ELECTRODE FOR ECG.
F ÉLECTRODES POUR ECG
ES ELÉCTRODOS PARA ECG
P ELETRODOS PARA ECG

DRV176
"Ag/AgCl" electrode Ø 30mm
adults universal connection - 1 pc

DRV175
"Ag/AgCl" electrode Ø 20mm
(internal size) adults universal connection - 1 pc

DRV174
"Ag/AgCl" electrode Ø 15mm
pediatric universal connection- 1 pc

DRV1620
Nichel-silver electrode
adults universal
connection - 1 pc

DRV1621
Nichel-silver electrode
pediatric universal
connection - 1 pc

EN DISPOSABLE PRE-GELLED ELECTRODE FOR E.C.G
F ÉLECTRODES USAGE UNIQUE PRÉ-GÉLIFIÉES POUR ECG
ES ELÉCTRODOS DESECHABLES CON GEL PARA E.C.G.
P ELETRODOS DESCARTÁVEIS PRÉ-GELIFICADOS PARA E.C.G

DRV165T 50 PCS
"Ag/AgCl" clip electrode,
TNT Ø 40mm pediatric
DRV165F 50 PCS
"Ag/AgCl" clip electrode,
FOAM Ø 40mm pediatric

DRV167 50 PCS
E.C.G. electrode, 32x45mm

DRV166T 50 PCS
"Ag/AgCl" clip electrode,
TNT Ø 55mm adult
DRV166F 50 PCS
"Ag/AgCl" clip electrode,
FOAM Ø 55mm adult

DRV168 100 PCS
Disposable pregelled E.C.G.
electrode - stamp type

EN ELECTRODES ADAPTERS
F ADAPTATEURS POUR ÉLECTRODES
ES ADAPTADORES PARA ELÉCTRODOS
P ADAPTADORES PARA ELETRODOS

DRV173
10 pcs kit adapter clip/stamp
(6 white, 1 black, 1 red,
1 yellow, 1 green)

DRV172
10 pcs kit adapter clip
(6 white, 1 black, 1 red,
1 yellow, 1 green)

LTR345N
Female clip adapter
4mm hole- black

LTR345R
Female clip adapter
4mm hole- red

EN CADENCE FETAL MONITOR TOCO WITH PRINTER
F MONITEUR FOETAL TOCO AVEC IMPRIMANTE CADENCE
ES MONITOR FETAL TOCO CON IMPRESORA CADENCE
P MONITOR FETAL TOCO COM IMPRESSORA CADENCE

EN Reliable, light weight, compact. Built-in printer. Easy to use with the included PC software. Selectable functions from keyboard. Basic functions: FHR, TOCO, fetal movement, automatic channel recognition. High technology probe (9 elements, 2Mhz) allows accuracy, false signals reduction and continous FHR recognising.

F Compact et léger. Imprimante incorporée. Facile à mettre en œuvre, avec le logiciel pour PC inclus. Clavier digital. Fonction: FHR, TOCO, mouvements fœtaux, détection automatique des canaux. Sonde à haute technologie (9 éléments, 2Mhz), haute sensibilité, réduction de faux signaux, reconnaissance FHR continue et précise.

ES Ligero, compacto y confiable. Impresora incorporada. De fácil utilización gracias al software para PC incluido. Teclado digital. Funciones: FHR, TOCO, movimiento fetal y reconocimiento automático del canal. Transductor de alta sensibilidd (9 cristales, 2 MHz) para una detección precisa, reducción de los falsos signales, reconocimiento FHR continuo.

P Confiável, leve, compacto. Impressora incorporada. Fácil de usar graças ao software para pc incluso. Teclado digital para a seleção das funções. Funções básicas: FHR, TOCO, movimento do feto, reconhecimento automático do canal. Sonda de alta tecnologia (9 elementos, 2 Mhz) permite precisão, redução de falsos sinais e um contínuo reconhecimento FHR.

WITHOUT DISPLAY

CE 0123

LTD550 CADENCE FETAL MONITOR
Software included
Battery not included

LDR425 TOCO PROBE ONLY FOR FETAL MONITOR DIMED
Mode: passive straingauge - Weight: 170g
Cable length: 3.2m
Dimensions: 102mm / 50mm - Latex free

LDR420 FHR PROBE ONLY FOR FETAL MONITOR DIMED
Mode: Pulsating doppler / Weight: 183g
Cable length: 3.2m
Dimensions: 90mm-65mm - Latex free

Accessories included 1 FHR probe, 1 TOCO probe, 1 events marker, 1 elastic band, 1 gel, 1 paper roll, 1.6A fusible, 1 user manual, 1 cd software, 1 RS232 cable, 1 power cable
Livré avec 1 sonde FHR, 1 sonde TOCO, 1 marqueur d'événements, 1 ceinture élastique, 1 fla con de gel, 1 bobine papier, 1 fusible 1.6A, 1 mode d'emploi, 1 cd logiciel, 1 câble RS232, 1 câble d'alimentation
Incluye 1 transductor FHR, 1 transductor TOCO, 1 marcador de eventos, 1 banda elástica, 1 gel, 1 rollo de papel, 1 fusible 1.6A , 1 manual de instrucciones, 1 cd software, 1 cable RS232, 1 cable de alimentación
Acessórios inclusos 1 sonda FHR, 1 sonda TOCO, 1 marcador de eventos, 1 cinto elástico, 1 frasco de gel, 1 rolo de papel, 1 fusível 1.6A, 1 manual de instruções, 1 cd software,RS232, 1 cabo de alimentação

TECHNICAL FEATURES

Dimensions and weight: 300X270X100h. 3,5 kg
Safety: Comply with IEC60601-1, IEC60601-1-2 EN55011, IEC1157, YY0449-2003

Electrical protection
Class I equipment without internal power supply
Protectioan level: FHR1, FHR2, TOCO, remote maker, fetl stimulator CLASS B
NO waterproof - No use with flammable gas presence
EMC: Group I class A

Power supply
Operating voltage: 100V-240V AC
Line frequency: 50/60 Hz
Pmax: 60VA - **Fuse:** T1.6AL

Display
3 bicolor numeric LED (green/red) for FHR and TOCO
Printer LED indicator - ON/OFF status led indicator
Audio alarm indicator (green/red)
FHR quality signal indicator (green/orange)
TOCO quality signal indicator (green/orange)

Paper
112mm- effective printing width : 104
Paper printing speed: 1cm/min, 2cm/min, 3cm/min
FHR 7 cm - FHR scaling: 30BPM/cm
TOCO 3,4 cm - TOCO scaling 25%/o,85 cm
Data accuracy: ±5% (X axis) ±5% (Y axis)
Record message: Date , Time,TOCO type, paper speed, FHR type, bed n°

Ultrasound channel
Pulsed doppler and autocorrelation technique
Impulse repetition: 2KHz - **Impulse time**: 114 usec
Ultrasound frequency: 2MHz±10%
Iob<10 mW/cm2
FHR range 50BPM-210BPM
Resolution: 1 bpm - **Accuracy**: ± 2 bpm
TOCO external
TOCO Range 0-100 , 135% strenght corresponding to 100%.
Sensivity: 3,7μV/V/mmHg - Non-linear error ±10%
Resolution: 1%
Zero mode Auto/manual - Fetal movement maker
Manual/automatic fetal movement maker

FHR alarm
FHR alarms set up is fixed. If FHR (FHR1/FHR2/DECG) is inferior or superior to the level and time already set up, monitor will give audio/visual alarm signal

EN CADENCE II TOCO FETAL MONITOR LCD 6" DISPLAY AND PRINTER
F MONITEUR FOETAL TOCO AVEC ÉCRAN LCD 6" ET IMPRIMANTE CADENCE II
ES MONITOR FETAL TOCO CON PANTALLA LCD 6" Y CON IMPRESORA CADENCE II
P MONITOR FETAL TOCO COM DISPLAY LCD 6" E COM IMPRESSORA CADENCE II

EN Reliable, light weight, compact. Large LCD display 6" can be closed on the device. Display waveform and data information. 12 hours data storage. Twin monitoring function. Antepartum and intrapartum monitoring. US1/US2/TOCO/FN/AMF. Built-in printer. Easy to use with the included PC software. Selectable functions from keyboard. Basic functions: FHR, TOCO, fetal movement, automatic channel recognition. High technology probe (9 elements, 2Mhz), allows accuracy, false signal reduction and continuous FHR recognising.

F Compact et léger. Grande écran LCD de6", on peut l'enclencher à l'appareil. Affichage simultané des courbes et des données numériques. Stockage de données pendant 12 heures. Monitorage de jumeaux, antepartum et intrapartum.US1/US2/TOCO/FN/AMF. Imprimante incorporée. Facile à mettre en œuvre, avec le logiciel pour PC inclus. Clavier digital. Fonction: FHR, TOCO, reconnaissance automatique des mouvements fœtaux, détection automatique des canaux. Sonde à haute technologie (9 éléments, 2Mhz), haute sensibilité, réduction de faux signaux, reconnaissance FHR continue et précise.

ES Ligero, compacto y confiable. Grande pantalla LCD de 6" que se puede cerrar en la parte superior del aparato. Visualización de forma de ondas y datos numéricos contemporaneamente. 12 horas de memoria. Monitorización gemelar. Monitorización antepartum y intrapartum. US1/US2/TOCO/FN/AMF. Impresora incorporada. De fácil utilización gracias al software para PC incluido. Teclado digital. Funciones: FHR, TOCO, movimiento fetal y reconocimiento automático del canal. Transductor de alta sensibilidad (9 cristales, 2 MHz) para una detección precisa, reducción de los falsos signales, reconocimiento FHR continuo.

P Confiável, leve, compacto. Grande display LCD de 6" que pode ser encaixado na parte superior do aparelho. Mostra contemporaneamente as ondas e os dados numéricos obtidos. 12h de memória. Função de monitoramento gemelar. Monitoramento antepartum e intrapartum. US1/US2/TOCO/FN/AMF. Impressora incorporada. Fácil de usar graças ao software para pc incluso. Teclado digital para a seleção das funções. Funções de FHR, TOCO, reconhecimento automático do movimento do feto e reconhecimento automático do canal. Sonda de alta tecnologia (9 elementos, 2 Mhz) permite precisão, redução de falsos sinais e um contínuo reconhecimento FHR.

LTD560 TWIN CADENCE II - Software included - Battery not included

Accessories included 2 FHR probes, 1 TOCO probe, 1 events marker, 1 elastic band, 1 gel, 1 paper roll , 1.6a fusible,1 user manual, 1 cd software, 1 RS232 cable, 1 power cable

Livré avec 2 sondes FHR, 1 sonde TOCO, 1 marqueur d'événements, 1 ceinture élastique, 1 flacon de gel, 1 bobine papier, 1 fusible1.6A, 1 mode d'emploi, 1 cd logiciel, 1 câble RS232, 1 câble d'alimentation

Incluye 2 transductores FHR, 1 transductor TOCO, 1 marcador de eventos, 1 banda elástica, 1 gel, 1 rollo de papel, 1 fusible 1.6A, 1 manual de instrucciones, 1 cd software, 1 cable RS232, 1 cable de alimentación

Acessórios inclusos 2 sondas FHR, 1 sonda TOCO, 1 marcador de eventos, 1 cinto elástico, 1 frasco de gel, 1 rolo de papel, 1 1.6A fusível, 1 manual de instruções, 1 cd software, 1 cabo RS232, 1 cabo de alimentação

CE 0123

TECHNICAL FEATURES

Dimensions and weight: 300x270x100h - 3,5 kg
Safety: Comply with IEC60601-1, IEC60601-1-2 EN55011, IEC1157,YY0449-2003

Electrical protection
Class I equipment without internal power supply
Protection level: FHR1, FHR2, TOCO, remote maker, fetal stimulator CLASS B - No waterproof
No use with flammable gas presence
EMC: Group I class A

Power supply
Operating voltage: 100V-240V AC
Line frequency: 50/60 Hz
Pmax: 60VA - **Fuse**: T1.6AL

Display
Backlight fluorescent warm cathode
Visual Active: 103.0x79.0H mm (320x240 dots)
Resolution: 85 dots per inch
Paper printing speed: 1cm/min, 2cm/min, 3cm/min
FHR 7 cm - **FHR scaling**: 30BPM/cm
TOCO 3,4 cm - TOCO scaling 25%/o,85 cm
Data accuracy: ±5% (X axis) ±5% (Y axis)
Record message: DATE , TIME,TOCO type, paper speed, FHR type, PRINT , EVENT MARK SYMBOL, BED N°

Ultrasound channel
Pick detection autocorrelation technique
Impulse repetition: 3.2KHz
Impulse time 114 µs
Ultrasound frequency: 2MHz±10%
Iob<10 mW/cm2
FHR range 50BPM-210BPM
Resolution: 1 bpm - **Accuracy**: ± 2 bpm

AFM
Doppler and Ultrasound
Range: 0-100 (%)
Resolution: 1%
Gain control: Manual/Automatic
Marking
Manual fetal movement marking

EN F6 FETAL MONITOR TWIN TOCO, COLOURED MONITOR WITH PRINTER
F MONITEUR FOETAL TOCO F6 GÉMELLAIRE, ÉCRAN COULEUR ET IMPRIMANTE
ES MONITOR FETAL F6 TOCO GEMELAR, PANTALLA COLORES CON IMPRESORA
P MONITOR FETAL TOCO F6 GEMELAR, DISPLAY A CORES COM IMPRESSORA

EN Reliable, compact, lightweight. LCD coloured display 10.2". It displays data and waveforms simultaneously. 12 hours memory. Twins monitoring function. Antepartum and intrapartum monitoring. US1/US2/TOCO/FN/AMF. Built-in printer. Easy to use with the included software. Selectable functions from keyboard. Basic functions: FHR, TOCO, fetal movement, automatic channel recognition. The high technology probe (9 elements, 2Mhz) allows accuracy, false signal reduction and continuous FHR recognising.

F Compact, léger, très fiable. Écran couleur LCD 10.2". Affichage simultané des courbes et des données numériques. Stockage de données pendant 12 heures. Monitorage de jumeaux, antepartum et intrapartum. US1/US2/TOCO/FN/AFM. Imprimante incorporée. Facile à mettre en œuvre, avec le logiciel pour PC inclus. Clavier digital. Fonction: FHR, TOCO, reconnaissance automatique des mouvements fœtaux, détection automatique des canaux. Sonde à haute technologie (9 éléments, 2Mhz), haute sensibilité, réduction de faux signaux, reconnaissance FHR continue et précise.

ES Ligero, compacto y confiable. Pantalla colores LCD 10.2". Visualiza las ondas y los datos numéricos contemporaneamente. 12 horas de memória. Monitorización gemelar antepartum e intrapartum. US1/US2/TOCO/FN/AMF. Impresora incorporada. De fácil utilización gracias al software para PC incluido. Teclado digital. Funciones: FHR, TOCO, movimiento fetal y reconocimiento automático del canal. Transductor de alta sensibilidad (9 cristales, 2 MHz) para una detección precisa, reducción de los falsos signales, reconocimiento FHR continuo.

P Leve, compacto, preciso. Display LCD a cores de 10.2". Visualiza as ondas e os dados numéricos contemporaneamente. 12 horas de memória. Monitoragem de gêmeos antepartum e intrapartum. US1/US2/TOCO/FN/AMF. Impressora incorporada. Fácil de usar graças ao software para PC incluso. Teclado digital. Funções: FHR, TOCO, reconhecimento automático do movimento do feto e do canal. Sonda de alta tecnologia (9 elementos, 2 MHz) permite precisão, redução de falsos sinais, contínuo reconhecimento FHR.

WATERPROF PROBES

LTD570

Folding 10.2" colour screen
Optional dual FHR monitoring
Software for data transmission to PC
Signal overlap verification

It includes 2 FHR probes, 1 TOCO probe, 1 events marker, 1 elastic band, 1 gel, 1 paper roll, 1 fusible 1.6A, 1 user manual, 1 CD (software), 1 RS232 cable, 1 power cable
Livré avec 2 sondes FHR, 1 sonde TOCO 1 marqueur d'événements, 1 ceinture élastique, 1 flacon de gel, 1 bobine papier, 1 fusible1.6A, 1 mode d'emploi, 1 cd logiciel en Anglais, 1 câble RS232, 1 câble d'alimentation
Incluye 2 transductores FHR, 1 transductor TOCO, 1 marcador de eventos, 1 banda elástica, 1 gel, 1 rollo de papel, 1 fusible 1.6A, 1 manual de instrucciones, 1 cd software, 1 cable RS232, 1 cable de alimentación
Na embalagem 2 sondas FHR, 1 sonda TOCO, 1 marcador de eventos, 1 cinto elástico, 1 frasco de gel, 1 rolo de papel, 1 1.6A fusível, 1 manual de instruções, 1 cd software em inglês, 1 cabo RS232, 1 cabo de alimentação

TECHNICAL FEATURES

Dimension: 347x330x126mm
Weight: 6 kg. approximately
Resolution: 800x480
Recorder: US/international standard
Printing speed: 1/2/3 cm/min
Fast print speed: up to 25 mm/min (stored traces)
Paper: Z-fold thermosensitive (150/152mm wide)
Ultrasound
Technique: ultrasound pulse doppler with autocorrelation
Pulse repetition rate: 2 KHz
Ultrasound frequency: 1,0 MHz ±10%
FHR Range: 50 bpm – 240 bpm
Resolution: 1 bpm
Accuracy: ±2 bpm
TOCO
TOCO Range: 0-100 relative (%)
Resolution: 1 count
Zero mode: automatic/manual
Auto Fetal Movement (AFM)
Technique: pulsed doppler ultrasound
AFM range: 0-100(%)
Resolution: 1%
Marking: manual fetal movement mark
Battery: 14,8V rechargeable Lithium-ion
Continuous working time: 4 hours
Signal interface: RS232 and Ethernet

EN DUS 3 PORTABLE ECOGRAPH WITH 10" DISPLAY – 1 PROBE CONNECTION
F ÉCHOGRAPHE PORTABLE DUS 3- ÉCRAN 10" – 1 CONNECTEUR DE SONDE
ES ECÓGRAFO PORTATIL DUS 3 PANTALLA 10" – 1 CONEXIÓN SONDA
P ECÓGRAFO PORTÁTIL DUS 3 MONITOR 10" – 1 CONEXÃO DE SONDA

EN 10" display non-interlaced. Interchangeable probes. Real-time zooming. 128 frames cine-loop. 128 frame permanent image storage. Thanks to USB port for PC connection, it's possible to transfer images in real-time (software included). Keyboard with trackball easy to use.

F Écran 10" sans entrelacement. Sondes interchangeables. Zoom en temps réel. 128 frames cineloop. Stockage de 128 images. Port USB 1.1 qui permet de charger les images rapidement sur PC en temps réel (logiciel inclus). Clavier avec trackball facile à utiliser.

ES Pantalla de 10" no entrelazada. Posibilidad de elegir entre sondas distintas. Zoom en tiempo real.128 imágenes cine loop. 128 imágenes fijas en memoria. Con el interfaz USB 1.1 se pueden cargar imágenes en el ordenador en la modalidad tiempo real (software incluido). Teclado con trackball para una fácil utilización.

P Monitor de 10" não-entrelaçado. Sondas intercambiáveis. Zoom em tempo real. 128 frames cineloop. 128 frames permanentes de memória. Porta USB 1.1 que permite carregar imagens rapidamente no computador em tempo real (software incluso). Teclado com trackball para uma fácil utilização.

LTD940
Dus 3 ecograph 10" monitor
Software and LDR920 probe included
4 levels TGC adjustment

OPTIONAL PRINTER SONY-MITSUBISHI P93W

THE DEVICE AUTOMATICALLY DETECTS THE PROBE.

1 PROBE CONNECTION ONLY
AVAILABLE PROBES:

LDR920 Convex probe for DUS 3 – 2,5/3,5/5,0 MHz 80 Elements (equipped with the product) Abdomen, Gynecology, Fetal / Obstetrics, and Pediatrics;
LDR921 Linear probe for DUS 3 – 6,0- 8,0- 10,0 MHz 80 Elements (optional) Small parts (galactophore, thyroid gland, prostate), Neonatal Cephalic, Peripheral Vascular, Musculo-skeletal (both Conventional and Superficial).
LDR922 Endovaginal probe for DUS 3 –5,0/6,5/8,0 MHz 80 Elements (optional) Transvaginal / Transrectal: Gynecology, Fetal / Obstetrics, and Urology
LDR923 Micro Convex probe for DUS 3 – 2,5/3,5/5,0 MHz 80 Elements (optional) Abdomen, Gynecology, Fetal / Obstetrics, Pediatrics and Cardiology
LDR924 Endorect probe for DUS 3 –6,0- 8,0- 10,0 MHz 80 Elements (optional) Rectum and the surrounding viscera, uterus, ovary and prostate

Accessories included	1 CONVEX probe LDR920 – 1 cable – 1 ground cable – 2 fuses (520, T1.6AL/250V) – 1 gel pack of 250ml – 1 instruction manual – 1 probe holder
Livré avec	1 sonde CONVEX LDR920- 1 câble- 1 câble de terre- 2 fusibles 520, T1.6AL/250V- 1 flacon de gel 250ml – 1 mode d'emploi- 1 porte-sonde
Incluye	1 sonda CONVEX LDR920 – 1 cable – 1 cable tierra – 2 fusibles 520, T1.6AL/250V- 1 gel de 250ml – 1 manual de instrucciones – 1 apoyo sonda
Acessórios inclusos	1 sonda CONVEX LDR920- 1 cabo- 1 cabo terra- 2 fusíveis 520, T1.6AL/250V- 1 frasco de gel de 250ml – 1 manual de instruções – 1 porta sonda

EN DUS 6 PORTABLE ECOGRAPH WITH 10" DISPLAY – 2 PROBE CONNECTIONS
F ÉCHOGRAPHE PORTABLE DUS 6- ÉCRAN 10" – 2 CONNECTEURS DE SONDE
ES ECÓGRAFO PORTATIL DUS 6 PANTALLA 10" – 2 CONEXIONES SONDA
P ECÓGRAFO PORTÁTIL DUS 6 MONITOR 10" – 2 CONEXÕES DE SONDA

EN 10" display non-interlaced. Interchangeable probes. Real-time zooming. 128 frames cine-loop. 128 frame permanent image storage. Thanks to USB port for PC connection, it's possible to transfer images in real-time (software included). Keyboard with trackball easy to use.

F Écran 10" sans entrelacement. Sondes interchangeables. Zoom en temps réel. 128 frames cineloop. Stockage de 128 images. Port USB 1.1 qui permet de charger les images rapidement sur PC en temps réel (logiciel inclus). Clavier avec trackball facile à utiliser.

ES Pantalla de 10" no entrelazada. Posibilidad de elegir entre sondas distintas. Zoom en tiempo real.128 imágenes cine loop. 128 imágenes fijas en memoria. Con el interfaz USB 1.1 se pueden cargar imágenes en el ordenador en la modalidad tiempo real (software incluido). Teclado con trackball para una fácil utilización.

P Monitor de 10" não-entrelaçado. Sondas intercambiáveis. Zoom em tempo real. 128 frames cineloop. 128 frames permanentes de memória. Porta USB 1.1 que permite carregar imagens rapidamente no computador em tempo real (software incluso). Teclado com trackball para uma fácil utilização.

LTD945
Dus 6 ecograph 10" monitor
Software and LDR930 probe included
8 levels TGC adjustment

THE DEVICE AUTOMATICALLY DETECTS THE PROBE.

INSTALLATION AND TRAINER NOT INCLUDED.

Accessories included 1 CONVEX probe LDR930 -1 cable -1 ground cable - 2 fuses (520, T1.6AL/250V) - 1 gel pack of 250m l - 1 instruction manual - 1 probe holder

Livré avec 1 sonde CONVEX LDR930 -1 câble - 1 câble de terre -2 fusibles 520, (T1.6AL/250V), -1 fla con de gel 250ml -1 mode d'emploi -1 porte-sonde

Incluye 1 sonda CONVEX LDR930 -1 cable - 1 cable tierra -2 fusibles 520, (T1.6AL/250V), - 1 gel de 250ml - 1 manual de instrucciones -1 apoyo sonda

Acessórios inclusos 1 sonda CONVEX LDR930 -1 cabo -1 cabo terra -2 fusíveis 520, T1.6AL/250V-1 frasco de gel de 250ml -1 manual de instruções - 1 porta sonda

2PROBE CONNECTIONS
AVAILABLE PROBES:
LDR930 Convex probe for DUS 6 - 2,5/3,5/5,0 MHz 96 Elements (equipped with the product) Abdomen, Gynecology, Fetal / Obstetrics, and Pediatrics;
LDR931 Linear probe for DUS 6 - 6,0- 8,0- 10,0 MHz 96 Elements (optional) Small parts (galactophore, thyroid gland, prostate), Neonatal Cephalic, Peripheral Vascular, Musculo-skeletal (both Conventional and Superficial).
LDR932 Endovaginal probe for DUS 6 -5,0/6,5/8,0 MHz 96 Elements (optional) Transvaginal / Transrectal: Gynecology, Fetal / Obstetrics, and Urology
LDR933 Micro Convex probe for DUS 6 - 2,5/3,5/5,0 MHz 80 Elements (optional) Abdomen, Gynecology, Fetal / Obstetrics, Pediatrics and Cardiology
LDR934 Endorect probe for DUS 6 -6,0- 8,0- 10,0 MHz 96 Elements (optional) Rectum and the surrounding viscera, uterus, ovary and prostate

TECHNICAL FEATURES FOR LTD940-945

Monitor: 10" non-interlaced progressive scanning black and white monitor (LTD940-945), 14"

Resolution: 800×575 pixels

Display Modes: B, B+B, 4B, B+M, and M

Image Gray Scale: 256 levels

Image Magnification: ×1.0, ×2.0,×3.0, ×4.0 in real time

Saving Image: JPEG: 1000 frames; or BMP: 128 frames

CINE Review Playback: 204 frames

Depth Shift: B, B+B, 4B, B+M, M-modes in real time, in increments of 10 mm

Frame Correlation Coefficient: 8 levels to adjust (0~7), (B, B+B, 4B, B+M-modes, ineffective when freezing)

Image Conversion: Up/Down flip, Left/Right flip

Acoustic power:16 levels to adjust (0~15)

Dynamic range: 35dB~65dB (16 levels, in 2 dB increments)

Focus position: 16 levels to adjust

Focus number: Max. 4

Software packages: Abdomen, obstetrics, small parts, gynecology, orthopedics, cardiology, and urology.

B-mode Measurement: Distance, circumference, area, volume, ratio, % stenosis, and angle

M-mode Measurement: Distance, time, slope, heart rate (2 cycles)

Annotations: Patient name, age, sex, time, date, hospital name, doctor name, comment (full-screen character editing)

Body Mark > 80 types

USB port: USB 1.1

Power supply: a.c. 100~240V, 50Hz/60Hz,

Main unit dimensions: 35x31x25cm

Weight: Approx. 11.5 Kg

Video printer output: 110x82 mm

USB printer output: A4 paper 210x297 mm

C0155
Trolley for ecographs (optional)

EN DUS 8 ECOGRAPH WITH TROLLEY WITH 14" DISPLAY - 2 PROBE CONNECTIONS
F ÉCHOGRAPHE MOBILE SUR CHARIOT DUS 8- ÉCRAN 14" - 2 CONNECTEURS DE SONDE
ES ECÓGRAFO CON CARRO DUS 8 PANTALLA 14" - 2 CONEXIONES SONDA
P ECÓGRAFO PORTÁTIL COM CARRO DUS 8 MONITOR 14" - 2 CONEXÕES DE SONDA

EN The new ultrasound scanner for abdominal, cardiological, urological and gynecological analysis. In the white and black display it's possible to check: date, week, hour, probe frequency, patient number memorisation, name of the doctor and name of the hospital, zoom, values, physical details, probe position, full screen mode. Internal memory card, external USB memory-stick. Thanks to USB port, you can transfer images to your PC in real time. Keyboard with trackball, easy to use. Non-interlaced display and different kinds of probe available.

F Ce nouveau échographe permet l'analyse et le traitement de données pour des examens abdominal, cardiologique, urologique, gynécologique-obstétrique. Affichage sur l'écran noir et blanc de: date, semaine, heure, fréquence de la sonde, mémoire du numéro du patient, nom du docteur et de l'hôpital, zoom, valeurs, caractéristiques physiques, position des sondes, modalité en plein écran. Mémoire flash interne et memory-stick USB externe. Port USB 1.1 qui permet de charger les images rapidement sur PC en temps réel (logiciel inclus). Clavier avec trackball facile à utiliser. Plusieures sondes en option.

ES El nuevo ecógrafo de ultrasonido se utiliza para análisis abdominales, cardiológicas, urológicas y ginecológicas. En la pantalla en blanco y negro se visualizan: fecha, semana, hora, frecuencia de la sonda, memorización del número del paciente, del nombre del doctor y del hospital, zoom, valores, características físicas, posición de las sondas, modalidad full screen. Memoria flash interna, memory-stick USB externa. Con el interfaz USB 1.1 se pueden cargar imágenes en el ordenador en la modalidad tiempo real. Teclado con trackball para una fácil utilización. Pantalla no entrelazada y distintas sondas opcionales.

P O novo ecógrafo de ultrasonografia é utilizado para análises abdominais, cardiológicas, urológicas e ginecológicas-obstétricas. Visualização no display branco e preto: data, semana, hora, frequência da sonda, memorização do número do paciente, nome do médico e do hospital, zoom, valores, características físicas, posição das sondas, modalidade tela cheia. Memória flash interna, memory-stick USB externa. Porta USB 1.1 que permite carregar imagens rapidamente no computador em tempo real (software incluso). Teclado com trackball para uma fácil utilização. Diversas sondas opcionais.

LTD950
DUS 8 - ECOGRAPH WITH TROLLEY
14" MONITOR LDR940 PROBE
INCLUDED
8 levels to adjust

THE DEVICE DETECTS THE PROBE AUTOMATICALLY

2PROBE CONNECTIONS

AVAILABLE PROBES:

LDR940 Convex probe for DUS 8- 2,5/3,5/5,0 MHz 96 Elements (equipped with the product) Abdomen, Gynecology, Fetal/Obstetrics, and Pediatrics;
LDR941 Linear probe for DUS 8 - 6,0- 8,0- 10,0 MHz 96 Elements (optional) Small parts (galactophore, thyroid gland, prostate), Neonatal Cephalic, Peripheral Vascular, Musculo-skeletal (both Conventional and Superficial).
LDR942 Endovaginal probe for DUS 8 -5,0/6,5/8,0 MHz 96 Elements (optional) Transvaginal/Transrectal, Gynecology, Fetal/Obstetrics, and Urology
LDR943 Micro Convex probe for DUS 8 - 2,5/3,5/5,0 MHz 80 Elements (optional) Abdomen, Gynecology, Fetal/Obstetrics, Pediatrics and Cardiology
LDR944 Endorect probe for DUS 8 -6,0- 8,0- 10,0 MHz 96 Elements (optional) Rectum and the surrounding viscera, uterus, ovary and prostate

Accessories included	1 CONVEX probe LDR940- 1 cable- 1 ground cable- 2 fuses (520, T1.6AL/250V)- 1 gel pack of 250ml- 1 instruction manual- 1 installation guide.
Livré avec	1 sonde CONVEX LDR940- 1 câble- 1 câble de terre- 2 fusibles 520, T1.6AL/250V- 1 fla con de gel 250ml - 1 mode d'emploi- 1 mode d'installation.
Incluye	1 sonda CONVEX LDR940 - 1 cable - 1 cable tierra- 2 fusibles 520, T1.6AL/250V- 1 gel de 250ml- 1 manual de instrucciones- 1 guia de instalación.
Acessórios inclusos	1 sonda CONVEX LDR940- 1 cabo- 1 cabo terra- 2 fusíveis 520, T1.6AL/250V- 1 frasco de gel de 250ml - 1 manual de instruções - 1 guia de instalação.

TECHNICAL FEATURES

Monitor: 14" non-interlaced progressive scanning black and white monitor
Resolution: 800×575 pixels
Display Modes: B, B+B, 4B, B+M, and M
Image Gray Scale: 256 levels
Image Magnification: ×1.0, ×2.0,×3.0, ×4.0 in real time
Saving Image: JPEG: 1000 frames; or BMP: 128 frames
CINE Review Playback: 204 frames
Depth Shift: B, B+B, 4B, B+M, M-modes in real time, in increments of 10 mm
Frame Correlation Coefficient: 8 levels to adjust (0~7), (B, B+B, 4B, B+M-modes, ineffective when freezing)
Image Conversion: Up/Down flip, Left/Right flip
Acoustic power: 16 levels to adjust (0~15)
Dynamic range: 35dB~65dB (16 levels, in 2 dB increments)
Focus position: 16 levels to adjust
Focus number: Max. 4
Software packages: Abdomen, obstetrics, small parts, gynecology, orthopedics, cardiology, and urology.
B-mode Measurement: Distance, circumference, area, volume, ratio, % stenosis, and angle
M-mode Measurement: Distance, time, slope, heart rate (2 cycles)
Annotations: Patient name, age, sex, time, date, hospital name, doctor name, comment (full-screen character editing)
Body Mark: > 80 types
USB port: USB 1.1
Power supply: a.c. 100~240V, 50Hz/60Hz, 120VA
Main unit dimensions: 530x700x1300 mm
Weight: Approx. 33 Kg

EN SPIROLAB III DIAGNOSTIC SPIROMETER, COLOR GRAPHIC DISPLAY, HIGH RESOLUTION
F SPIROMÈTRE DE DIAGNOSTIC SPIROLAB III, ÉCRAN GRAPHIQUE COULEUR À HAUTE RÉSOLUTION
ES ESPIRÓMETRO DE DIAGNÓSTICO SPIROLAB III, PANTALLA COLORES DE ALTA RESOLUCIÓN
P ESPIRÔMETRO DIAGNÓSTICO SPIROLAB III, DISPLAY GRÁFICO A CORES DE ALTA RESOLUÇÃO

EN Silent thermal printer and report in few seconds (112 mm width / 30mt paper). Bluetooth® printer connection. Selectable theoric value and language. Memory for 6000 tests. Oximeter (optional) with 1000 hours memory recorder. Back-up data registration for 10 years. Digital turbine flow meter with guaranteed accuracy in all environmental conditions. PRE-POST bronchodilator comparison. User friendly keyboard. Mains functions: FVC, VC , MMV, Spo2, data archive, new subject, results, print. Up to 8 separately displayed test. Lung age estimation. Alarm message in case of values discrepance. Visual and audio indication after 6 sec of forced expiration.

F Imprimante interne rapide et silencieuse. Papier 112mm largeur, 30m. Connexion avec imprimante externe par Bluetooth®. Sélection de la langue et des valeurs théoriques. Mémoires pour 6000 spirométries. Oxymétrie, capacité d'enregistrement de 1000h. Rappel de valeurs des dernières 10 années. Turbine digitale de très haute précision en toutes conditions environnementales. Comparaison broncodilatation PRE-POST. Clavier multifonctions. Fonctions principaux : FVC, VC, MVV, SpO2, mémoire de données, nouveau sujet, résultats, impression. Enregistre les trois meilleurs tests. Jusqu'à 8 épreuves sur une page-écran. Estimation de l'âge des poumons. Alarme en cas de discordance des paramètres enregistrés. Alarme visuelle et sonore après 6 secondes d'expiration forcée.

ES Impresora interna rápida y silenciosa. Papel 112 mm de ancho por 30m. Conexión con impresora externa por Bluetooth®. Valores teóricos y idioma seleccionables. Posibilidad de almacenaje por más de 6.000 espirometrías. Oxímetro (opcional) con memoria hasta 1.000 horas de registración. Back-up de los valores de los últimos 10 años. La turbina digital garantiza la máxima precisión en cualquiera condición ambiental. PRE-POST respuesta al protocolo bronquial. Teclado multifuncional. Funciones principales: FVC, VC, MVV, SpO2, almacenaje datos, nuevo sujeto, resultados, imprenta. Hasta 8 curvas flujo/volumen visualizadas en la pantalla. Estimación del edad pulmonar. Mensajes de alarma en caso de discrepancia entre los parámetros registrados. Indicación visual y sonora después de 6 segundos de espiración forzada.

P Impressora interna veloz e silenciosa, largura do papel 112mm por 30 m. Conexão com a impressora por Bluetooth®. Valores teóricos e língua selecionáveis. Memória para mais de 6000 espirometrias. Oxímetro (opcional) com memória até 1000 horas de registração. Back up dos valores medidos por 10 anos. Turbina digital para garantir o máximo cuidado em quaisquer condições ambientais. Comparação PRE-POST broncodilatador. Teclado multifuncional. Principais funções: FVC, VC, MVV, SpO2, dados de arquivo, novo assunto, resultados, impressão. Até 8 curvas fluxo/volume visualizadas no display. Fornece a estimativa da idade pulmonar. Mensagens de alarme em caso de discrepância entre os valores medidos. Indicação visual e auditiva após 6 segundos de expiração forçada.

LTM209C SPIROLAB III
Standard configuration

LTM209B SPIROLAB III
With oxy configuration 3 tests practicable: oximetry during efforts, sleep oximetry with desaturation events, short or long term (overnight) SpO2 and pulse rate measurements min, max and medium values, SPO2, pulse frequency, delta index ODI, NOD, T90%, T89%, T88, T87%, etc.
Parameter visualized on display, without PC connection

Accessories included Carrying bag, USB cable, 2 mouth pieces, 1 nose piece, WinspiroPRO software, instruction manual
Livré avec Malette de transport, câble USB, 2 embouts buccaux, 1 embout nasal, logiciel WinspiroPRO, mode d'emploi
Incluye Bolsa de transporte, cable USB, 2 boquillas ,1 pieza para nariz, software WinspiroPRO, manual de instrucciones
Acessórios inclusos Bolsa de transporte, cabo USB, 2 bocais, 1 prendedor de nariz, software WinspiroPRO, manual de instruções

TECHNICAL FEATURES
Power supply: Rechargeable battery, mains power 200V/50Hz
Temperature sensor: Semiconductor 0-45° C
Flow/volume transducer: digital turbine
Flow/volume range: ± 16 l/s L, BTPS
Volume accuracy: ± 3% or 50 mL
Flow accuracy: ± 5% or 200 mL/s
Dynamic resistance: <0.8 cm H2O/l/s
Colour display: FSTN grafic 240x320 pixel
Printer/paper: Thermal, 112 mm width
Mouthpieces: Ø 30 mm external diameter
Connections: USB, Bluetooth® for printer (see compatible printer list) and RS 232 (optional)
Dimensions: 310 x 205 x 65 mm
Weight: 1,9 Kg
Parameters: VC, FVC, FEV1, FEV1/VC%, FEV1/FVC%, FEV6, FEV1/FEV6%, PEF, FEF2575, FEV3, FEV3/FVC%, ELA, FET, FVC, FEV1, FEF25, FEF50, FEF75, Evol, MVV(calc), FIVC, FIV1, FIVC%, PIF, EVC, IVC, IC, ERV, TV, VE, RR, Tl, TE, Tl/tot, TV/t, MVV

EN SPIROBANK "G" USB DIAGNOSTIC SPIROMETER WITH GRAPHIC DISPLAY
F SPIROMÈTRE DE DIAGNOSTIC SPIROBANK G USB ÉCRAN GRAPHIQUE
ES ESPIRÓMETRO DE DIAGNÓSTICO SPIROBANK G USB CON PANTALLA GRÁFICA
P ESPIRÔMETRO DIAGNÓSTICO SPIROBANK G USB COM DISPLAY GRÁFICO

EN Diagnostic pocket spirometer with graphic display. FVC, VC, IVC, MVV, PRE-POST BD tests. Internal temperature sensor for automatic BTPS. The turbine flow sensor requires no calibration and complies with ATS features. 6.000 spirometry test memory. Via Internet upgradable internal software. Lung age estimation. USB and Bluetooth® connections. Software WinspiroPRO included.

F Spiromètre de diagnostic de poche à écran graphique. Tests FVC, VC, IVC, MVV, PRE-POST BD. Capteur de température interne pour la conversion automatique BTPS. La turbine ne nécessite aucune calibration. Ces turbines sont produites en respect des normes ATS. Mémoire jusqu'à 6.000 tests. Logiciel WinspiroPRO interne qui se met à niveau via PC. Estimation de l'âge des poumons. Porte USB et connexion Bluetooth®.

ES Espirómetro de bolsillo con pantalla gráfica. Pruebas de FVC, VC, IVC, MVV, PRE-POST BD. Sensor de temperatura para conversión automática BTPS. La turbina no necesita calibración y está en conformidad con el estándar ATS. Memorización hasta 6.000 pruebas. Software interno que se puede actualizar con el PC. Estimación del edad pulmonar. USB y Bluetooth® conexiones. Software WinspiroPRO incluido.

P Espirômetro de bolso com display gráfico. Testes FVC, VC, IVC, MVV, PRE-POST BD. Sensor de temperatura para conversão automática BTPS. A turbina não precisa de calibração e está em conformidade com as características ATS. Memorização até 6.000 testes. Software interno WinspiroPRO que pode ser atualizado conectando o PC à internet. Fornece estimativa da idade pulmonar. Porta USB e conexão Bluetooth®.

LTM206 SPIROBANK G USB
(SOFTWARE INCLUDED)

DRV119 Disposable turbines (100 pcs)
Spirobank G USB compatible

Accessories included	Carrying bag, USB cable, 2 disposable mouth pieces, plastic noseclip, WinspiroPRO software CD.
Livré avec	malette de transport, câble USB, 2 embouts buccaux usage unique, 1 embout nasal, CD logiciel Win spiroPRO.
Incluye	Bolsa de transporte, cable USB, 2 boquillas desechables, 1 pieza para nariz, CD con software Win spiroPRO.
Acessórios inclusos	Bolsa de transporte, cabo USB, 2 bocais descartáveis, 1 prendedor de nariz, CD com software Win spiroPRO.

TECHNICAL FEATURES

Temperature sensor: semiconductor (0-45 °C)
Flow sensor: bi-directional digital turbine
Max volume: 10 L
Flow range: ± 16 L/s
Volume accuracy: ± 3% or 50 mL, whichever is greater
Flow accuracy: ± 5% or 200 mL/s, whichever is greater
Dynamic resistance: at 12L/s: <0.5 cmH2O/L/s
Display: 128 × 48 pixel, graphic LCD - FSTN
Keyboard: 5 keys
Connectivity: USB and Bluetooth®
Power supply: 9V DC (PP3 battery)
Dimensions: 6.4 × 1.9 × 1.3 inch (162 × 49 × 32 mm)
Weight: 180 gr. with battery

TECHNICAL SPECIFICATIONS

Measured parameters: FVC, FEV1, FEV1/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/
FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FET,
Vext, Lung Age, FIVC, FIV1, FIV1/FIVC%, PIF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV

EN SPIROBANK II WITH SOFTWARE
F SPIROBANK II AVEC LOGICIEL
ES SPIROBANK II CON SOFTWARE
P SPIROBANK II COM SOFTWARE

EN Spirometer with internal temperature sensor for automatic BTPS conversion. High resolution/high visibility graphic display. Patient identification by name. Automatically records the best 3 trials. Memory for 6000 tests. Oximeter (optional) with 1000 hours memory recorder. Bluetooth® printer or mobile phone connection. It doesn't need calibration. PRE/POST bronchial response. Automatic interpretation and quality control of measurements. Software WinspiroPRO included for PC connection. Lung age estimation. Bronchial challenge with FEV1 dose-response. Pediatric incentive animations. Data and graphs export also via e-mail.

F Capteur de température interne pour conversion BTPS automatique. Écran graphique à haute résolution. Identification du patient par nom ou code d'identification. 3 meilleurs tests automatiquement sauvegardés. Base de données pour 6000 tests de spirométrie.Oxymètre (en option),capacité d'enregistrement de 1000 heures. Connexion Bluetooth à l'imprimante ou au téléphone mobile. Ne nécessite aucune calibration. Comparaison broncodilatation PRE-POST. Interprétation automatique et test de contrôle de la qualité. Connexion directe sur PC par le logiciel WinspiroPRO. Estimation de l'âge des poumons. Courbes FEV1 dose-réponse. Plusieurs animations incitatives destinées aux tests pédiatriques. Exportation des résultats de test également par e-mail.

ES Espirómetro con sensor de temperatura para conversión automática BTPS. Pantalla gráfica de alta resolución y visibilidad. Identificación del paciente por nombre. Registra las 3 pruebas mejores automaticamente. Capacidad de memoria para 6.000 espirometrías. Oxímetro (opcional) con memoria hasta 1.000 horas de registración. Conexión Bluetooth para impresora o teléfono móvil. No necesita calibración. Comparación PRE-POST broncodilatación. Interpretación automática y control de calidad de la prueba. El software WinspiroPRO permite la cone xión de Spirobank II con el PC. Estimación del edad pulmonar. Prueba de provocación bronquial con curva FEV1 dosis-respuesta. Incentivos pediátricos con animaciones seleccionables. Datos y gráficos exportables por e-mail.

P Espirômetro com sensor de temperatura interna para a conversão automática BTPS. Display gráfico de alta resolução e legibilidade. Identificação dos pacientes por nome. Arquivação automática das três melhores espirometrias. Memória para 6000 testes. Oxímetro (opcional) com memória até 1000 horas de registração. Conexão Bluetooth por impressora ou por telefone celular. Não precisa de calibração. Confronto PRE e POST broncodilatador. Interpretação automática e controle de qualidade da espirometria. Software WinspiroPRO incluso para conexão com pc. Estimativa da idade pulmonar. Teste de provocação bronquial com curva dose/resposta do FEVI. Incentivos pediátricos com animações. Relatório da impressão exportável também via e-mail.

LTM203 SPIROBANK II
Standard

Accessories included Carrying case, RS232 interface cable, 2 mouth pieces, 1 nose clamp, instruction manual, WinspiroPRO software

Livré avec Malette de transport, câble interface RS232, 2 embouts buccaux, 1 embout nasal, mode d'emploi-logiciel, WinspiroPRO

Incluye Bolsa de transporte, cable para interfaz RS232, 2 boquillas, 1 pieza para nariz, manual de instrucciones, software WinspiroPRO

Acessórios inclusos Bolsa de transporte, cabo para interface RS232, 2 bocais, prendedor de nariz, manual de instruções, software WinspiroPRO

TECHNICAL FEATURES

Power supply: 4 AAA batteries mini stilo, 1.5V
Temperature sensor: semiconductor 0-45°C
Flow/volume transducer: bi-directional digital turbine
Flow/volume range: ± 16 L/s , BTPS
Volume accuracy: ± 3% or 50 mL
Flow accuracy: ± 5% or 200 mL/s
Dynamic resistance in 2L/s: <0.8 cm H2O/L/s
Colour display: 128x64 pixel
Keyboard: 6 membrane key
Serial output and data trasmission: USB, Bluetooth, modem without connection for phone connection (telemedicine application) RS 232 with optional cable
Dimensions: 60x 145 x 30 mm
Weight: 0.8 gr batteries included
Parameters: FVC, FEV1, FEV1/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FET, Vext, FIVC, FIV1, FIV1/FIVC%, PIF, *FVC, *FEV1, *PEF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV (* = Best value)

EN USB MINISPIR SPIROMETER
F SPIROMÈTRE USB MINISPIR
ES ESPIRÓMETRO USB MINISPIR
P ESPIRÔMETRO USB MINISPIR

EN Plugs directly into the USB socket on PC. No batteries and no other connection required. Easy to use. Icon-based interface. Internal temperature sensor for automatic BTPS conversion. Lung age estimation. Bronchial challenge test with FEV1 dose-response curve. It includes a series of user-selectable and amusing pediatric incentive animations. Data and graphs export also via e-mail. Automatic interpretation and quality control of measurements. It follows the latest ATS/ERS standards.

F Connexion directe au port USB de votre PC. Aucune pile nécessaire. Simple d'utilisation à l'aide d'icônes intuitifs. Capteur de température interne pour conversion BTPS automatique. Estimation de l'âge des poumons. Courbes FEV1 dose-réponse. Comparaison broncodilatation PRE-POST. Plusieurs animations incitatives destinées aux tests pédiatriques. Exportation des résultats de test également par e-mail. Interprétation automatique et test de contrôle de la qualité. Respect des normes ATS/ERS.

ES Se conecta directamente en el puerto USB de su ordenador. No necesita baterías de alimentación. De fácil utilización gracias a su interfaz de iconos. Sensor de temperatura para conversión BTPS. Estimación del edad pulmonar. Prueba de provocación bronquial con curva FEV1 dosis-respuesta. Comparación PRE-POST broncodilatación. Incluye una serie de incentivos pediátricos con animaciones seleccionables. Datos y gráficos exportables por e-mail también. Interpretación automática y control de la calidad de la espirometría. En conformidad con los nuevos estándares ATS-ERS.

P Conecta-se diretamente ao pc por USB. Não precisa de bateria. Fácil de usar graças aos ícones intuitivos. Sensor de temperatura para conversão BTPS. Fornece estimativa da idade pulmonar. Teste de provocação bronquial com curva dose-resposta do FEV1. Incentivo pediátrico patenteado com tantas divertidas animações. Relatório da impressão exportável também por e-mail. Interpretação automática e controle de qualidade da espirometria. De acordo com os novos padrões ATS-ERS.

LTM215

TECHNICAL FEATURES

Temperature sensor: semiconductor (0-45°C)
Flow sensor: turbine sensor bi-directional
Flow range: ± 16l/s
Volume accuracy: ± 3% or 50ml, whichever is greater
Flow accuracy: ± 5% or 200ml/s, whichever is greater
Dynamic resistance at 12Us: <0,8 cm H2O/L/s
Communication port: UBS
Power supply: directly by USB PC connection
Dimensions: 52x128x26mm
Weight: 60g
Parameters: (*best value) FVC, FEV1, FEV1/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FET, Vext, FIVC, FIV1, FIV1/FIVC%, PIF, *FVC, *FEV1, *PEF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV

Turbine + software with spirometer cable

DRV119
Disposable turbines Minispir compatible(100 pcs)

EN SPARE PARTS AND ACCESSORIES FOR SPIROMETERS
F PIÈCES DE RECHANGE ET ACCESSOIRES POUR SPIROMÈTRES
ES REPUESTOS Y ACCESORIOS PARA ESPIRÓMETROS
P PEÇAS DE REPOSIÇÃO E ACESSÓRIOS PARA ESPIRÔMETROS

DRV120 Ext: 22Ø - Int: 19Ø
Reusable paediatric mouth piece

DRV133 500 pcs Ext: 30Ø - Int: 28Ø
MIR-VITALOGRAPH-MICROMEDICAL
Adult mouth piece for spirometers

DRV134 100 pcs Ext: 30Ø - Int: 28Ø
MIR-VITALOGRAPH-MICROMEDICAL
Adult mouth piece for spirometers

DRV135 500 pcs Ext: 30Ø - Int: 28Ø
Adult mouth piece for COSMED spirometers

DRV136 100 pcs Ext: 30Ø - Int: 28Ø
Adult mouth piece for COSMED spirometers

DRV137 100 pcs Ext: 22Ø - Int: 19Ø
Paediatric mouth piece

LTR932 10pcs
SPIROLAB I, II and III thermal printer

LTR930
Calibration 3L syringe for MIR spirometer

LTR937
MIR spirometer turbine

LTR940
Disposable antibacterial filter

DRV119
Disposable turbines (100 pcs)

EN VENUS 6.3 COLPOSCOPE - 3-STEPS MAGNIFICATION - LED BULB
F COLPOSCOPE VENUS 6.3 - GROSSISSEMENT À 3 PAS - LAMPE À DEL
ES COLPOSCOPIO VENUS 6.3 - 3 MAGNIFICACIONES - LUZ LED
P COLPOSCÓPIO VENUS 6.3 - 3 AUMENTOS - LUZ LED

EN LTD632 with inclined binocular system. 3-steps magnification (3,75X-7X-15X). 10.000 LUX light intensity. Support pole is inserted in a Teflon ball-and-socket-joint base which allows 360° easy motion.

F LTD632 - binoculaire incliné. Grossissement à 3 pas (3,75X-7X-15X). Intensité de la lumière: 10.000 LUX. La colonne du statif est mise dans une base de teflon sphérique qui permet une grande facilité de mouvement à 360°.

ES LTD632 - binoculares inclinados. 3 aumentos (3,75X-7X-15X). Intensidad de la luz 10.000 LUX. El soporte está colocado en una base de teflón que permite un movimiento circular de 360°.

P LTD632 - binóculo curvo. 3 aumentos(3,75X-7X-15X). Intensidade de luz: 10.000 LUX. A estativa está inserida em uma base de teflon esférica que permite um movimento circular de 360°.

LTD632 (*) INCLINED BINOCULAR

EN It includes: Power cable
1 dust plastic protection
1 instruction manual
1 assembling screw driver gloves

F Livré avec: Cordon d'alimentation
1 housse anti-poussière en plastique
1 mode d'emploi
1 tournevis de montage gants

ES Incluye: Cable de alimentación
1 funda antipolvo
1 manual de instrucciones
1 destornillador para el montaje guantes

P Na embalagem: Cabo de alimentação
1 capa anti-poeira de plástico
1 manual de instrução
1 chave de fenda para a montagem luvas

* AVAILABLE UNLESS STOCKS ARE FINISHED

TECHNICAL FEATURES
Eyepieces: 12,5x individually adjustable
Pupillary distance: 50÷78 mm
Total magnification possibility: 3 (3,75x-7x-15x)
Focal length: 300 mm
Field of view: 30.93 mm, 15.50mm,7.74mm Ø
Depth of Field: 18mm,4mm,2mm
Light intensity: > 10.000 LUX
Built-in circles to measure analyzed area
Built-in rheostat for brightness adjustment
User selectable built in green filter for enhanced contrast
LED bulb light easy to change
Working height: 838mm to 1194 mm
Two focus adjustment handles
Two height adjustment handles
Power supply: 230V
Weight: 8,5 kg
Unit is completely assembled and ready for use once power is on **Conformity**: IEC60601-1,IEC61601-1-1,CEE93/42

EN VENUS 6.4 COLPOSCOPES - STRAIGHT BINOCULAR
F COLPOSCOPES VENUS 6.4- BINOCULAIRE DROIT
ES COLPOSCOPIOS VENUS 6.4 – BINOCULARES RECTOS
P COLPOSCÓPIOS VENUS 6.4- BINÓCULO RETO

EN Colposcopes with castors. Dual port fibre optic illumination with 150W halogen lamp. 38.000 LUX light intensity. German lenses by Schott® Opticall Glass offer a very good resolution and depth of field. Possibility to connect digital camera and video cameras with optional adapters.

F Colposcopes à chariot. Intensité de la lumière 38.000 LUX, grâce aux 2 sources de lumière halogène de 150W avec la connexion à fibre optique. Verres allemandes Schott® Opticall Glass, résolution et focus précis. Possibilité d'utilisation d'appareil photo et vidéo caméra digitaux avec les accessoires en option.

ES Colposcopios con ruedas. Lámpara halógena dual de fibra óptica, de 150W. Intensidad de luz 38.000 LUX. Ópticas alemanas Schott® Opticall Glass, alta resolución y enfoque. Posibilidad de conectar cámara digital y video cámara a través de un adaptador opcional.

P Colposcópios com estativas sobre rodas. Luz halógena com gerador duplo e conexão a fibra ótica que produzem uma intensidade de luz de 38.000 LUX. Lentes alemãs da Schott® Opticall Glass, com excelente resolução e focalização. Possibilidade de incorporar máquina fotográfica e filmadora digitais com os adaptadores opcionais.

LDR606
INCLINED BINOCULAR FOR VENUS 6.4 SERIES (optional)

LTD642F (*)
ZOOM

LTD641F (*)
5-STEPS MAGNIFICATION

* AVAILABLE UNLESS STOCKS ARE FINISHED

EN It includes:
Power cable
1 dust plastic protection
1 instruction manual
1 assembling screw driver
gloves

F Livré avec:
Cordon d'alimentation
1 housse anti-poussière 1 mode d'emploi
1 tournevis de montage
gants

ES Incluye:
Cable de alimentación
1 funda antipolvo
1 manual de instrucciones
1 destornillador para el montaje
guantes

P Na embalagem:
Cabo de alimentação
1 capa anti-poeira
1 manual de instrução
1 chave de fenda para a montagem
luvas

LDR602
CCD1/2" ADAPTER
for Venus 6.4 series (optional)

LDR603
DIGITAL CAMERA ADAPTER
for Venus 6.4 series
Nikon connection (optional)

LDR601
BEAM SPLITTER
50%/50% (optional)

Digital camera Optional

TECHNICAL FEATURES LTD641F-LTD642F
5-steps magnification: 2.7x-4.2x-6.7x-10.7x-16.7x (LTD641F)
Field of view: 75-48-30-12,8-12 (LTD641F)
Zoom: from 2.2x to 12.9x (LTD642F)
Field of view: Ø 9,2÷15,4 (LTD642F)
Work distance: 300 mm
12.5x eyepieces with dioptre locks and fold-down rubber eyecups for eyeglass wearers
Dioptres regulation: ±6d
Pupillary distance: 50÷75 mm
Light intensity on object plane: 38000 LUX. Min.
Light font: 15V-150W cooled air lamp
Dual-port lamp allows a quick change from one lamp to another
Maximum height from floor to the lens: 1200mm
Minimum height from floor to the lens: 1050mm
Overall distance from the column to the objective lens: 1050mm
Green filter selectable
Vertical pole: 590 mm
Total arm: 924 mm
Rotation arms: 340°
Power supply: 230V
Weight:10,3 kg
Base with 5 swivel casters 2 of which with brakes
Video and digital camera connections with special adapters (optional)
Conformity: IEC60601-1,IEC61601-1-1,CEE93/4

TECHNICAL FEATURES FOR LTD640
3-steps magnification: 32.7x-6.7x-16.7x
Field of view: 50-30-19
Work distance: 300 mm
12.5x eyepieces with dioptre locks and fold-down rubber eyecups for eyeglass wearers
Dioptres regulation: ±6d
Pupillary distance: 50÷75 mm
Straight binocular head: F=160 (optional reclined binocular)
Light intensity: 38000 LUX min.
Light source: 15V-150W cooled air lamp
Dual-port lamp allows a quick change from one lamp to another
Work height: 1050mm÷1200mm
Focus: rack for micro, on stand for macro
Green filter selectable
5 casters base with vertical position adjustment
Power supply: 230V
Video and digital camera connections with adapters (optional)
Weight:10,3 kg
Conformity: IEC60601-1, IEC61601-1-1,CEE93/42

EN ABS TROLLEYS, ANTISTATIC WHEELS
F CHARIOTS EN ABS, ROUES ANTISTATIQUES
ES CARROS EN ABS, RUEDAS ANTIESTÁTICAS
P CARROS EM ABS, RODAS ANTI-ESTÁTICAS

EN Suitable for endoscopy devices, electrotherapies and monitors, no conductive ABS frame. Easy to clean and to handle, lightweight. Cables pole included.

F Chariots pour appareils d'endoscopie, électrothérapies, moniteurs. Châssis en ABS non électro-conductif. Facile à nettoyer, léger, simple à déplacer. Support pour câbles inclus.

ES Carros para aparatos de endoscopia, electroterápias, monitores, en ABS no conductivo. Fácil de limpiar y desplazar, ligero. Soporte para cables incluido.

P Carros para aparelhos de endoscopia, eletroterapias, monitores. Estrutura em ABS não eletro-condutivo. Fácil de limpar, leve, muito simples de manejar. Suporte para cabos incluído.

C0150
Alluminium trolley for ECG and Monitors
weigth: 8,5 Kg
max loading weight: 18 kg
Double basket

C0155
ABS trolley for ECG and echographs
weigth: 26 Kg
max loading weight: 26 kg
max. height 90 cm
min. height 80cm
with drawer and probe compartment

EN MEDICAL DIAGNOSTICS

F DIAGNOSTICS

ES DIAGNÓSTICO

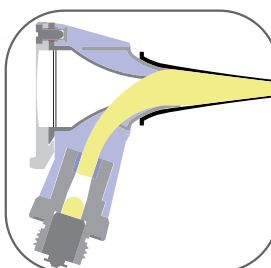
P DIAGNÓSTICO

EN FIBER OPTIC OTOSCOPE XENON LIGHT
F OTOSCOPE FIBRE OPTIQUE LUMIÈRE AU XÉNON
ES OTOSCÓPIO DE FIBRA ÓPTICA
P OTOSCÓPIO FIBRA-ÓPTICA LÂMPADA XENON

EN High quality pocket otoscope. Fiber optic with Xenon XHL 2.5V halogen lamp. Equipped with revolving magnifying glass 3x. AA battery operated. Provided in a hard case with 8 reusable speculum. Disposable speculum optional.

F Otoscope de poche de haute qualité. Fibre optique avec lampe halogène au Xénon XHL 2,5V. Muni d'une loupe de grossissement (x3) remplaçable. Pile AA jetable. Fourni dans un étui rigide accompagné de 8 spéculums réutilisables.
Spéculums jetables en option.

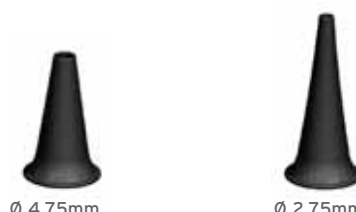
ES Otoscópio de bolsillo de alta calidad con lámpara halógena Xenon XHL 2,5 V. Tiene lupa giratoria de 3x. Funciona con 2 baterías AA. En estuche rígido con 8 espéculos reutilizables. Espéculos desechables opcionales.

P Otoscópio de bolso de alta qualidade con lâmpada halógena Xenon XHL 2,5 V. Lente de aumento giratória de 3x. Funciona com 2 baterias AA. Em estojo rígido com 8 espéculos reutilizáveis. Espéculos descartáveis opcionais.

Fiber optic

DRV232
XHL xenon halogen lamp

DMV520
Fiber optic otoscope XHL xenon halogen in hard case with 8 reusable speculum

Ø 2,4mm Ø 3mm Ø 4mm Ø 5mm

DMV510
Kit 4 reusable speculum

Ø 4,75mm

DMV512
Kit 100 disposable speculum Ø 4,75mm

Ø 2,75mm

DMV511
Kit 100 disposable speculum Ø 2,75mm

EN OPHTALMOSCOPE XENON LIGHT
F OPHTALMOSCOPE AVEC LUMIÈRE AU XÉNON
ES OFTALMOSCOPIO CON LUZ XENON
P OFTALMOSCÓPIO LÂMPADA XENON

EN High quality pocket ophthalmoscope. Halogen Xenon Xhl 2,5 v lamp. Equipped with 5 different spots and adjustable lens from -20D to +20D. AA battery operated. Provided in a hard case.

F Ophtalmoscope de poche de haute qualité. Lampe halogène Xénon Xhl 2,5V. Muni de 5 spots différents et d'une fenêtre d'observation réglable allant de -20D à +20D. Pile AA jetable. Fourni dans un étui rigide.

ES Oftalmoscopio de bolsillo de alta calidad con lámpara halógena Xenon XHL 2,5 V. Equipado con 5 aberturas y lentes regulables de -20D hasta +20D. Funciona con 2 baterías AA. En estuche rígido.

P Oftalmoscópio de bolso de alta qualidade com lâmpada halógena Xenon Xhl 2,5 V. Fornecido com 5 diferentes aberturas e lentes reguláveis de -20D a +20D. Funciona com 2 baterias AA. Em estojo rígido.

+	1	2	3	4	6	8	10	15	20
-	1	2	3	4	6	8	10	15	20

Lens range from +20D to -20D

5 DIFFERENT SPOTS
- Big spot for normal deep examination
- Little spot for small pupils examination
- Spot with star to determinate the centre
- Half spot to reduce reflex in small pupils
- Green filter for vascular examination

DRV237
XHL Xenon halogen lamp for ophthalmoscope

DMV525
Ophthalmoscope XHL xenon halogen light, in rigid case

DMV530
Oto- Ophthalmoscope XHL Xenon Halogen light, case with 4 reusable speculum

EN DELUXE FIBER OPTIC OTOSCOPE
F OTOSCOPE À FIBRE OPTIQUE DELUXE
ES OTOSCÓPIO FIBRA-ÓPTICA DELUXE
P OTOSCÓPIO FIBRA-ÓPTICA DELUXE

EN High quality otoscope. Vision by alogen lamp Xhl 2,5V fiber-optic illumination. Head made of solid and hard plastic with metals finishes. Fast and stable joint for disposable speculum. Head is equipped with a zoom 3x rotating lens and connection for tympanic membrane pneumatic test. The chromated and grained handle has a regulator light. It accomodates 2 batteries (C series). Supplied on a soft tissue pouch with velcro fastener. It contains a tubular kit of 8 disposable spare speculum (4 pcs Ø 2,8mm, and 4 pcs Ø 4mm).

F Otoscope de poche de haute qualité. Ampoule halogène Xhl 2,5V. En plastique légère et résistante, fini en métal. Fenêtre d'observation avec un grossissement de 3 fois, pivotante et avec connexion pour le test pneumatique de la membrane du tympan. Poignée en métal crénelé à 2 piles (série C). Jonction des spéculums rapide et stable. En étui souple en tissu combiné fermeture à zip. Doté de 8 spéculums à usage unique (4 pcs Ø 2,8mm, et 4 pcs Ø 4mm).

ES Otoscópio de alta calidad con lámpara halógena Xhl 2,5V. Iluminación de fibra óptica. Cabezal de plástico resistente y ligero con acabado de metal. La conexión del espéculo desechable es rápida y estable. Tiene lupa giratoria 3x y conexión por test neumático de la membrana del tímpano. Mango de metal cromado con regulación de la luz. 2 baterías serie C. Viene en estuche con cremallera, incluye 8 espéculos desechables (4 uds de 2,8mm Ø, 4 uds de 4mm Ø).

P Otoscópio de alta qualidade. Visão com iluminação de fibra óptica com lâmpada halógena Xhl 2,5V. Cabeça feita em plástico resistente e leve com acabamento de metal. A junção do espéculo descartável é veloz e estável. A cabeça possui lentes de aumento giratória 3x e conexão para o teste pneumático da membrana do tímpano. O cabo em metal cromado e texturizado possui regulador da luz. Suporta 2 baterias (série C). Embalado em um estojo macio de tecido com fecho velcro, de cores coordenadas. Contém um kit tubular com 8 espéculos descartáveis para reposição (4 pçs Ø 2,8mm, and 4 pçs Ø 4mm).

DMV508
Fiber-optic

EN DELUXE STANDARD LIGHT OTOSCOPE
F OTOSCOPE ÉCLAIRAGE DIRECT DELUXE
ES OTOSCÓPIO DE LUZ ESTÁNDAR DELUXE
P OTOSCÓPIO A LUZ CONVENCIONAL DELUXE

DMV507
Standard light

Vision by halogen lamp Xhl 2,5V
Ampoule halogène Xhl 2,5V
Lámpara halógena Xhl 2,5V
Visão com lâmpada halógena Xhl 2,5V

EN SPARE PARTS FOR OTOSCOPES
F PIÈCES DE RECHANGE POUR OTOSCOPES
ES REPUESTOS PARA OTOSCÓPIOS
P PEÇAS DE REPOSIÇÃO PARA OTOSCÓPIOS

Kit of disposable speculum for otoscopes
DMV515 10 pcs speculum Ø 2,8mm x 35mm
DMV516 10 pcs speculum Ø 4 mm x 30mm

DRV522 Halogen lamp Xhl 2,5V for DELUXE standard light otoscope DMV507

DRV526 Halogen lamp Xhl 2,5V for DELUXE fiber-optic otoscope DMV508

EN DERMATOSCOPE
F DERMATOSCOPE
ES DERMATOSCOPIO
P DERMATOSCÓPIO

EN Standard light. Stainless steel handle. Head connection by bayonet system. Power supply: 2 medium sized 1,5V batteries (not included). Magnyfing 10x. Complete with graduated scale contact plate.

F Éclairage direct. Poignée en acier. Joint de la tête à baïonnette. Interrupteur d'éclairage sur la poignée. Alimentation: 2 piles moyennes de 1,5V (non comprises). Grossissement 10 fois. Lamelle milimétrée.

ES Luz estándar. Mango de acero. Cabezal con cierre a bayoneta. Alimentación: 2 pilas medias de 1,5V (no incluidas). Ampliación 10x. Incluye disco de contacto milimetrado.

P Luz convencional. Cabo em aço. Conexão da cabeça com mecanismo a baioneta. Alimentação: 2 baterias médias de 1,5V (não inclusas). Aumento 10x. Completo com placa de contato milimetrada.

DMV245
DERMATOSCOPE

DRV234
SPARE BULB FOR DERMATOSCOPE

Synthetic leather soft pouch
with zip INCLUDED

EN FOREHEAD MIRRORS
F MIROIRS FRONTAUX
ES ESPEJOS FRONTALES
P ESPELHOS FRONTAIS

EN Adjustable ergonomic headband and plastic case.

F Doté de bandeau ergonomique réglable, en trousse en plastique.

ES Completo con cinta ergonómica y ajustable para cabeza. En estuche de plástico.

P Completo com faixa para cabeça ajustável e ergonômica em estojo de plástico.

DMV401 - 98mm
Faromed Clar's forehead mirror.

DMV402 - 55mm
Faromed Storz's forehead mirror.

DMV403 - 90mm
Ziegler's forehead mirror.

EN FOREHEAD MIRRORS ACCESSORIES AND SPARE PARTS
F PIÈCES DE RECHANGE POUR MIROIRS FRONTAUX
ES REPUESTOS PARA ESPEJOS FRONTALES
P ACESSÓRIOS E PEÇAS DE REPOSIÇÃO PARA ESPELHOS FRONTAIS

DMV406 Optional (DMV401-402)
Variable voltage feeder 3÷15V- max power 2A- Power 41,5VA

DRV231
Bulb for Clar's and Storz's forehead mirror
DRV501
Mirror for Clar 98mm

DRV506
Plastic cap for Clar 98mm
DRV502
Mirror for Storz 55mm
DRV507
Plastic cap for Storz 55mm

EN DIAGNOSTIC PENLIGHT
F POINTEUR LASER DE DIAGNOSTIC
ES LÁMPARA DIÁGNOSTICA DE BOLSILLO
P LÂMPADAS DIAGNÓSTICAS DE BOLSO

EN With support for tongue depressor (tongue depressor not included). 1,5V battery operated (battery included).

F Avec support pour abaisse-langue (abaisse-langue non inclus). Pile de 1,5V jetable (pile non incluse).

ES Con soporte para depresor (depresor no incluido). Funciona con baterias 1,5V (incluidas).

P Com suporte para abaixa-línguas (abaixa- línguas não incluso). Funciona com baterias 1,5V (inclusas).

DMV170
White

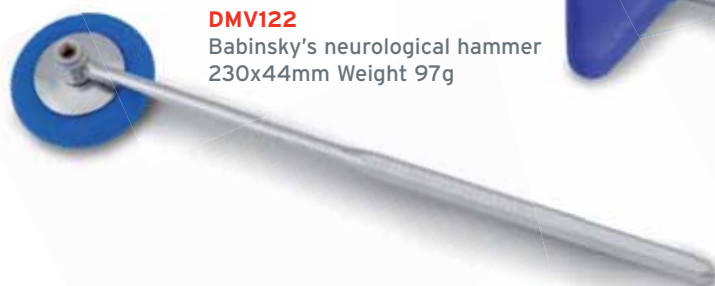
DMV171
Blue

DMV173
Chromium-plate

DMV176
Red penlight without support for tongue depressor

EN NEUROLOGICAL HAMMER
F MARTEAU NEUROLOGIQUE
ES MARTILLOS NEUROLÓGICOS
P MARTELOS NEUROLÓGICOS

DMV120
Buck's neurological hammer
186x56mm Weight 90g

DMV124
Taylor's neurological hammer
188x56mm Weight 56g

DMV122
Babinsky's neurological hammer
230x44mm Weight 97g

EN DIGITAL AND MANUAL SKINFOLDMETER
F ANALYSEUR DE GRAISSE DIGITAL ET MANUEL
ES PLICÓMETRO DIGITAL Y MANUAL
P ADIPÔMETRO DIGITAL E MANUAL

EN Battery feeding. Large display for an easy reading. Last measurement memory until the RESET key is pressed. Compact and accurate instrument allows to measure body fat rate and to determine loss or gain muscle.

F Alimentation à piles. Écran digital de grandes dimensions pour une lecture facile. Mémoire de la dernière mesure jusqu'à pression de la touche RESET. Instrument compact et précis pour mesurer le pourcentage de graisse corporelle.

ES Alimentación a batería. Pantalla digital de grandes dimensiones para una fácil lectura. Memoria del última lectura hasta que no se apriete la tecla RESET. Instrumento compacto y preciso para medir la grasa corporal.

P Alimentação a bateria. Display digital de grandes dimensões para uma fácil leitura. Memória da última medição até que o botão RESET seja pressionado. Instrumento compacto e preciso para medir o percentual de gordura corporal.

DMV250
Digital plicometer with last measurement memory

DMV251
Manual plicometer with last measurement memory

EN OPTOMETRIC TABLES WITH ALUMINIUM FRAME
F ÉCHELLE OPTOMÉTRIQUE STRUCTURE EN ALUMINIUM
ES OPTOTIPO CON ESTRUCTURA DE ALUMINIO
P MESA OPTOMÉTRICA COM MOLDURA DE ALUMÍNIO

EN Luminous source created by fluorescent 18W neon tubes. Light diffusion panel made of white acrylic sheet, thickness 3mm. Power supply is 230V and 50/60Hz. Bipolar ON/Off switch, with plug and bipolar fuseholder. Cabling made of pre-isolated self-estinguishing PVC cable. Visual area dimensions 24x62 cm (luminous) and 24x61cm (non luminous). External dimensions 29,5x67,5x12h (luminous) and 29x66x2,5h (non luminous). Weight 6 kg (luminous), 2 kg (non luminous). Colour temperature 6500. Luminosity flux 700lm. Chromatic index 63.Total power 18W.

F Éclairage par tubes fluorescents de 18W. Panneau luminescent en plaque acrylique blanche, épaisseur 3mm. Alimentation de 230V; 50/60 Hz. Interrupteur ON/OFF bipolaire, fiche et porte-fusible bipolaires. Câblage pré-isolé en PVC ignifugé. Dimensions du cadran visuel: 24x62cm (lumineuse) et 24x61cm (non lumineuse). Dimensions extérieures 29,5x67,5x12h (lumineuse) et 29x66x2,5h (non lumineuse). Poids: 6kg (lumineuse), 2kg (non lumineuse). Température de couleur 6500. Luminosité 700 lm. Indice chromatique 63. Puissance totale 18W.

ES Iluminación por fluorescencia, neón de 18W. La pantalla es de chapa acrílica blanca de 3mm de espesor. Alimentación de 230V; 50/60 Hz. Interruptor ON/OFF bipolar, enchufe y portafusible bipolar. El cableado está hecho de cable de PVC pre-aislado y ignífugo. Pantalla de 24x62 cm (optotipo luminoso) y 24x61cm (no luminoso). Dimensiones externas cm29,5x67,5x12h (luminoso) y cm29x66x2,5h (no luminoso). Peso de kg.6 (luminoso) y 2kg (no luminoso). Temperatura de color 6500. Flujo de luminosidad 700lm. Indice cromático 63. Potencia total 18W.

P A fonte luminosa é criada por um tubo neon fluorescente de 18W. O painel difusor é feito de uma chapa acrílica branca, espessura 3mm. Alimentação de 230V; 50/60Hz. Interruptor ON/OFF bipolar, com plugue e porta-fusíveis bipolar. O cabeamento é realizado em cabo de PVC pré-isolado e ignífugo. Dimensões da área visual: 24x62cm (luminosa) e 24x61cm (não luminosa). Dimensões externas: 29,5x67,5x12h (lumoinosa) e 29x66x2,5h (não luminosa). Peso: 6kg (luminosa), 2Kg (não luminosa). Temperatura de cor 6500. Fluxo de luminosidade 700 lm. Índice cromático 63. Potência total 18W.

DMV700 3m
Child type

DMV760 3m Luminous
Child type

DMV710 3m
MONOYER type

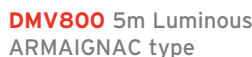
DMV770 3m Luminous
MONOYER type

DMV720 3m
Mixed decimal table

DMV780 3m Luminous
Mixed decimal table

DMV730 5m
Mixed decimal table

DMV790 5m Luminous
Mixed decimal table

DMV740 5m
ARMAIGNAC type

DMV800 5m Luminous
ARMAIGNAC type

DMV750 5m
Child type

DMV810 5m Luminous
Child type

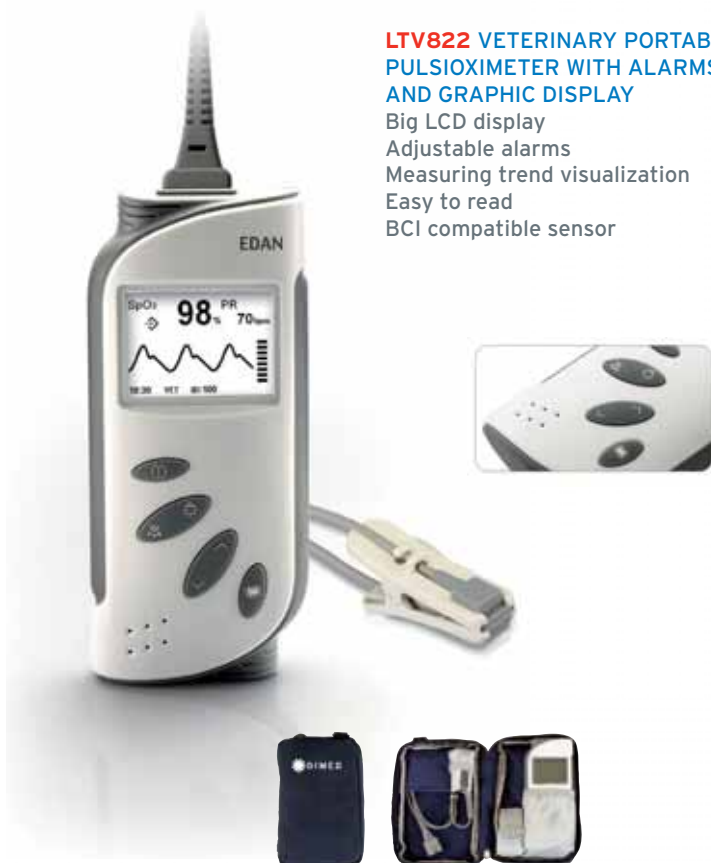
EN VETERINARY
F VÉTÉRINAIRE
ES VETERINARIA
P VETERINÁRIA

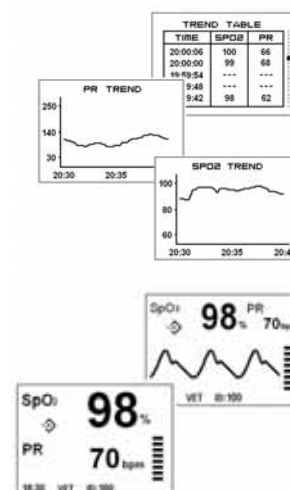
EN VETERINARY PORTABLE PULSIOXIMETER WITH ALARMS- PC CONNECTION
F OXYMÈTRE DE POULS POUR L'USAGE VÉTÉRINAIRE AVEC ALARMES- CONNEXION PC
ES PULSIOXÍMETRO VETERINARIO PORTATIL CON ALARMAS- CONEXIÓN A PC
P OXÍMETRO VETERINÁRIO PORTÁTIL COM ALARMES- CONEXÃO PC

EN This product has the same technical specifications of LTD822 but it's created for veterinary. It's possible to check the trend of last 10 minutes measurement in graphic or in table mode in just one display. Up to 100 patients and 300 hours record. PC connection with a software not equipped with the product (LTD825). Compatible with Nellcor and BCI sensors.

F Cet oxymètre correspond au LTD822, mais avec les fonctions pour l'usage vétérinaire. Affichage des Tendances graphique et sous forme de tableau des derniers 10 minutes. Mémorisation jusqu'à 300h pour 100 patients. Possibilité de connecter à l'ordinateur avec logiciel (LTD825 en option). Capteurs compatibles: DB9 Nellcor et BCI.

ES Modelo correspondiente al LTD822 pero con funciones para utilización veterinaria. Es posible visualizar el TREND (desarrollo) de las mediciones de los últimos 10 minutos en modalidad GRÁFICA o TABLA en la misma pantalla. Se pueden registrar hasta 100 pacientes por 300 horas de memoria. Posibilidad de conexión al ordenador con software opcional (LTD825). Compatible con sensores Nellcor y BCI.

P Modelo correspondente ao LTD822 com funções para uso veterinário. Visualização dos trends na modalidade gráfico ou tabela dos últimos 10 minutos. 300h de memória até 100 pacientes. É possível conectar ao computador com um software (LTD825 opcional). Sensores compatíveis DB9 Nellcor e BCI.

LTV822 VETERINARY PORTABLE PULSIOXIMETER WITH ALARMS AND GRAPHIC DISPLAY

Big LCD display
Adjustable alarms
Measuring trend visualization
Easy to read
BCI compatible sensor

Case for transport included

LTD825 SOFTWARE PC WINDOWS FOR STORAGE

LDR197B
BLUE SILICONE COVER FOR LTV822
LDR197G
GREY SILICONE COVER FOR LTV822
LDR197V
GREEN SILICONE COVER FOR LTV822

EN VETERINARY ELECTROCARDIOGRAPH 1-1/3 CHANNELS
F ECG POUR L'USAGE VÉTÉRINAIRE À 1 PISTE - 1/3 PISTES
ES ELECTROCARDIÓGRAFOS DE 1 CANAL- 1/3 CANALES PARA VETERINARIA
P ELETROCARDIÓGRAFOS DE 1 CANAL- 1/3 CANAIS PARA VETERINÁRIA

EN Compact and light-weight, easy to use. Digital system, LCD display with waveform visualization. Thermal printer and internal rechargeable battery with power-pack. Digital filters, anti baseline drift, AC and EMG. Automatic or manual working. Error message for Lead Off.

F Compact, léger, facile à utiliser. Système digital, écran LCD, visualisation des courbes et des paramètres. Imprimante thermique et batteries interne rechargeables avec alimentateur. Filtres digitaux anti-dérapage, AC et EMG. Modes automatique ou manuel. Message d'erreur LEAD OFF.

ES Compactos y ligeros, de fácil utilización. Funcionamiento digital, pantalla LCD con simple visualización de las curvas y de los parámetros. Impresora térmica y batería interna recargable con alimentador. Filtros digitales para evitar el deslizamiento a la base, AC y EMG. Se puede elegir entre modalidad automática o manual. Mensaje de error para LEAD OFF.

P Compacto, leve, simples de utilizar. Sistema digital, display LCD com visualização das curvas e dos parâmetros. Impressora térmica e bateria interna recarregável com alimentador. Filtros digitais para evitar o deslizamento da linha base, AC e EMG. Modalidade automática ou manual. Mensagem de erro para LEAD OFF

LTV400 1 CHANNEL ECG FOR VETERINARY
Thermal printer 50mmx30mt
LCD display 192x64 pixel

LTV405S 3 CHANNELS ECG FOR VETERINARY
Thermal printer 80mmx30mt
LCD display 192x64 pixel
Automatic ECG parameters
Selectable printing mode
120 patients record and USB data transfer
Optional PC software

LTD406
SOFTWARE PC FOR LTV405S
For data storage
and analysis

LTD407
Bag for ECG (optional)

Accessories included patient cable, electrode set, gel, paper, power cable, instruction manual.
Livré avec câble patient, jeu d'électrodes, gel, papier, câble d'alimentation, mode d'emploi.
Incluye cable paciente, juego de eléctrodos, gel, papel, cable de alimentación, manual de instrucciones.
Acessórios inclusos cabo do paciente, kit de eletrodos, gel, papel, cabo de alimentação, manual de instruções.

CARATTERISTICHE TECNICHE

	LTV400	LTV405S
Input circuit:	floating input circuit with protection from defibrillation and pace maker	idem
Leads:	7 standard LEADS	idem
Acquisition Mode:	single	simultaneously 7 leads
A/D Resolution:	12 bits	12 bits
Time constant:	> 3.2 sec	> 3.2 sec
Frequency Response:	0,05Hz – 150Hz	0,05Hz – 150 Hz
ECG parameter and analysis:	no	yes
Memory:	no	100 patients
Calibration Voltage::	1mV ± 3%	1mV ± 3%
Sensitivity:	2,5 – 5 – 10 – 20 (mm/mV)	2,5 – 5 – 10 – 20 (mm/mV)
Input Impedance:	> 10MΩ	> 50MΩ
Input Circuit Current:	100nA	50nA
Noise:	<15 μ Vp-p	<15 μ Vp-p
Anti baseline drift:	auto	auto
Patient Leakage Current:	< 10μ (220V - 240V/Hz)	<10μ (220V - 240V/Hz)
Patient Auxiliary Current:	< 0,1μ (DC)	<0,1μ (DC)
Filter:	filter EMG 35Hz (-3db) - filter AC 50Hz/60Hz (-20db)	filter EMG 35Hz (-3db) - filter AC 50Hz/60Hz (-20db)
CMRR:	> 90db	> 100db
Recording mode:	auto/manual	auto/manual/rhytm/OFF/USBPRT
Rythm Lead:	any lead selectable	any lead selectable
Safety Standards:	IEC 60601-1:1988+A1+A2, EN 60601-1:1990+A1+A2,	IEC/EN 60601-1-2:2001+A1, IEC/EN 60601-2-25, ANSI/AAMI EC-11
Power:	AC: 100v-115v/220v-240v, 50/60Hz internal battery Li-Ion 14,4V (3h continuosly)	AC: 100v-115v/220v-240v, 50/60Hz internal battery Li-Ion 14,4V (3h continuosly)
Printer:	Thermal	Thermal
Record Paper:	50mm x 30m	80mm x 30m
Paper Speed:	25mm/s, 50mm/s ± 3%	5mm/s, 10mm/s, 25mm/s, 50mm/s ± 3%
Dimensions:	288x210x70mm	288x210x70mm
Weight:	2,3Kg with battery	2,5Kg with battery
Display:	192x64 pixels LCD	320x240 pixel LCD
Connection:	RS232	RS232, USB, ETHERNET